ICBIC-12 Presenting Authors

Name	Title	Type	Session	Time
Abajian, Carnie	Crystal structure of Saccharomyces cerevisiae Sco1	Poster	Copper	2-VBG-119
Abdelhamid, Rehab	Regulation of the Electronic Structure of Blue Copper Active Site from the Second Sphere Coordination: Spectroscopic and Electrochemical Properties of Pseudoazurin M16X Mutants	Poster	Metalloprotein design	2-KOESS-302
Abdullah, Ahmed	DNA binding and activity of some new cis-planaramineplatinum(II) complexes	Poster	Metals/Nucleic acids	2-HUSS-38
Achila, David	Characterization Of N-Terminal Metal Binding Domain 5-6 Of Wilson Disease Protein	Poster	Copper	2-VBG-95
Aime, Silvio	Exploring routes for Cellular and Molecular Magnetic Resonance Imaging with Paramagnetic Lanthanide Complexes	Oral	Imaging	Monday 11:10 (Rackham)
Allen, Jack	Fluorescently labeled lanthanide bound probes which dock to Trp rich domain of X-linked Inhibitor of Apoptosis Protein (XIAP)	Poster	Imaging	1-VBG-123
Almeida, Maria Marise	Iodoperoxidation of tyrosine derivatives by Vanadium Haloperoxidases	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-104
Alvarez, Hamsell	Model Studies of Tetrathiomolybdate (TM) and its interactions with copper proteins: How does the copper antagonist drug TM interact with copper trafficking proteins?	Poster	Medicinal Bioinorganic	1-HEND-287
Anderlund, Magnus	New Unsymetrical Manganese(II,III) Dimer as Electron Donor in Artificial Photosynthesis. Part 1. Synthesis and Carracterisation	Poster	Manganese and photosynthesis	1-BLR-245
Anderson, Ross	4-Cyanopyridine; a versatile probe for Cytochrome P450 BM3	Poster	Heme proteins	2-BLR-195
Andersson, K. Kristoffer	High resolution crystal structures of two of the intermediates in the myoglobin peroxide reaction	Poster	Heme proteins	2-BLR-228
Andrews, Andrew	Metal ions activate cleavage and lower catalytic pKa in RNase P	Poster	Metals/Nucleic acids	2-HUSS-41
Anekwe, Johnson	New Functional and Structural Copper Model Systems for the Active Site of Catechol Oxidase	Poster	Copper	2-BLR-142
Antholine, William	EPR of Cu(II)-Methanobactin from Spent Media	Poster	Copper	2-BLR-141
Antonyuk, Svetlana	Atomic Resolution Structures of Resting State, Substrate- and Product-Complexed Cu Nitrite Reductase Provide Insight into Catalytic Mechanism	Poster	Copper	2-BLR-145
Anzellotti, Atilio I.	Study of covalent and non-covalent interactions in [Pd(dien)nucleobase]2+/l-tryptophan(N-Acetyl-tryptophan) systems: Formation of metal-tryptophan species by nucleobase substitution under biologically	Poster	Ligands and Complexes	1-MICH-56
Aono, Shigetoshi	Molecular Mechanism of Functional Regulation for the Heme-Based Sensor Proteins	Oral	Small Molecule Sensors	Wednesday 11:10 (MLB-4)
Arakawa, Takatoshi	Recombinant expression and crystallographic analysis of thiocyanate hydrolase from Thiobacillus thioparus	Poster	Radicals and B12	2-CON-D-323
Archibald, Steve	Conformationally restricted aza-macrocyclic complexes as chemokine receptor antagonists	Poster	Ligands and Complexes	1-MICH-71
Arii, Hidekazu	Oxidative Cleavage of Plasmid DNA by Dicopper(II) Complex with 1,3,5-Triaminocyclohexane Derivatives	Poster	Copper	2-VBG-99
Armstrong, Fraser	Hydrogenases on Electrodes:Revealing and Elucidating their Complex Chemistry	Oral	Bioorganometallic H2ase	Friday 11:10 (MLB-4)
Armstrong, William	Tetranuclear Manganese Cluster Complexes Obtained by Ligand Substitution Reactions	Poster	Manganese and photosynthesis	1-BLR-251
Arnesano, Fabio	Structural Interplay between Calcium(II) and Copper(II) Binding to S100A13	Poster	Copper	2-VBG-132

Name	Title	Type	Session	Time
Artaud, Isabelle	Selective synthesis of disulfinate, disulfonate and mixed thiolate / sulfinate pseudopeptidic species: biological relevance	Poster	Ligands and Complexes	1-MICH-68
Aryal, Baikuntha	Determining the Potential based electron transfer quenching to develop reagentless nanobiosensor	Poster	Metal sensors	1-BLR-144
Asakura, Noriyuki	Monitoring of alternating ES complexes formation between cytochrome c3 and hydrogenase by highly sensitive EQCM technique	Poster	Biological Electron Transfer	1-KOESS-305
Aureliano, Manuel	Decavanadate Contribution to Vanadium Cellular Biochemistry: Muscle Contraction and Oxidative Stress	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-90
Austin, Rachel	Reaction mechanisms of non-heme diiron hydroxylases characterized in whole cells	Poster	Non-heme iron and oxygen activation	1-BLR-178
Banerjee, Ruma	Radical Enzymes and their Escorts	Oral	B12 Enzymes	Thursday 10:35 (Rackham)
Barba-Behrens, Norah	Towards chiral coordination compounds with ephedrine and pseudoephedrine derivatives. On the Cu(II)---HC agostic interaction?	Oral	Medicinal Biochemistry	Tuesday 15:50 (Rackham)
Barnese, Kevin	Ionic Mn(II) is not a Superoxide Dismutase	Poster	Manganese and photosynthesis	1-BLR-240
Barney, Brett	Mechanistic Investigations of the Reduction of Nitrogen Containing Compounds by Nitrogenase	Poster	Nitrogenase/Hydrogenase	2-MICH-72
Barondeau, David	Probing the Mechanism of Iron-Sulfur Cluster Biosynthesis with Assembly Intermediate Structures and Metalloprotein Design	Poster	Iron-sulfur	2-HEND-266
Barrios, Amy	Inhibition of Lysosomal Cysteine Proteases by Gold Compounds: A Possible Mechanism for the Antiarthritic Activity of Au(I)	Poster	Medicinal Bioinorganic	1-HEND-261
Barton, Jacqueline	DNA-mediated Charge Transport in DNA Repair	Oral	Novel Insights into Biological Iron-Sulfur Cluster Chemistry	Friday 15:15 (Rackham)
Bayraktar, Halil	The Artificial ElectronTransferases	Poster	Biological Electron Transfer	1-KOESS-311
Beauvais, Laurance	Reactions of the Peroxo Intermediate of Soluble Methane Monooxygenase Hydroxylase with Ether Substrates	Poster	Non-heme iron and oxygen activation	1-BLR-172
Behan, Rachel	Compound II in Cytochrome P450 is Basic: Implications for the Reactivity of Oxidative Heme Proteins	Poster	Heme proteins	2-BLR-233
Bennati, Marina	57Fe ENDOR Spectroscopy on the Iron-Sulfur Cluster Involved in Substrate Reduction of Heterodisulfide Reductase	Oral	Novel Insights into Biological Iron-Sulfur Cluster Chemistry	Friday 11:10 (Rackham)
Bennett, Brian	Fulvic Acid/Mineral Supplements: Science or Snake Oil?	Poster	Medicinal Bioinorganic	1-HEND-280
Bennett, Miriam	Exploratory Inorganic Synthesis Inspired by the Iron-Molybdenum Cofactor of Nitrogenase	Poster	Nitrogenase/Hydrogenase	2-MICH-78
Berg, Jeremy	Metal-Binding Domains: Designing Specific Single-Stranded Nucleic Acid- and Peptide-Binding Domains	Oral	Metalloprotein Design	Wednesday 11:10 (MLB-3)
Berreau, Lisa	Thiolester Hydrolysis by Zinc Hydroxide Complexes: Model Reactions for Glyoxalase II	Poster	Zinc	2-HEND-284
Bertini, Ivano	A Bioinformatic/Structural biology approach to explore biochemical paths. The case of copper in cytochrome c oxidase assembling	Oral	Metal Cofactor Biosynthesis and Assembly	Tuesday 11:10 (MBL-4)
Bevers, Loes	Completing the Tungsten containing Aldehyde Oxidoreductase Family From Pyrococcus furiosus; the purification of WOR5	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-99
Bhakta, Mehul	Charcaterization of Phus as a Heme Chaperone to Heme Oxygenase in Pseudomonas Aeruginosa	Poster	Heme proteins	2-BLR-206

Name	Title	Type	Session	Time
Bierbach, Uli	Adenine Recognition by Minor-Groove Targeted Platinum-Intercalator Conjugates: A New Technology with Applications in Chemotherapy and Gene Regulation	Oral	Metals and Nucleic Acids	Friday 15:15 (MLB-3)
Bill, Eckhard	Spectroscopic Models for the S2Yz* State of Photosystem II - MnIIIMnIV Complexes with Covalently Tethered Organic Radicals	Poster	Manganese and photosynthesis	1-BLR-231
Bittner, Alexander	Composites of Tobacco Mosaic Virus with Metal Clusters and Wires	Oral	Biomaterials and Biomineralization	Thursday 11:10 (MLB-4)
Blindauer, Claudia	Why do bacterial metallothioneins contain histidine ?	Poster	Metal transport and Metalloregulation	1-HUSS-12
Block, Darci	Characterization of the Heme Environment of the Hemophore PhuS: Implications for Heme Transfer	Poster	Heme proteins	2-BLR-168
Blomberg, Mattias	A Theoretical Study of Nitric Oxide Reduction in Heme-Copper Oxidase and Nitric Oxide Reductase	Poster	Heme proteins	2-BLR-204
Blum, Ofer	Zinc and Copper Protease Inhibitors to Counter Bioterror	Poster	Zinc	2-HEND-287
Böck, August	Assembly of the metal center of [NiFe]-hydrogenases	Oral	Metal Cofactor Biosynthesis and Assembly	Tuesday 11:45 (MBL-4)
Boerner, Leigh	Synthesis of Extended Structure Chromophores via Cycloaromatization of Porphyrinic Enediynes	Poster	Ligands and Complexes	1-MICH-65
Bol, Emile	Redox Chemistry of Tungsten and Iron-Sulfur Prostetic Groups in Pyrococcus furiosus Formaldehyde Ferredoxin Oxidoreductase.	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-98
Bominaar, Emile	Mössbauer , XANES and DFT characterization of an aqueous FeIV=O species	Oral	High-Valent Iron-Oxo Intermediates	Thursday 15:50 (Mendelsohn)
BONOMI, Francesco	The E. coli HscA/HscB chaperone/cochaperone system facilitates iron-sulfur cluster transfer from holo-IscU to apo-ferredoxin in an ATP-dependent manner	Poster	Iron-sulfur	2-HEND-261
Borovik, Andy	Lessons from Nature: Utilizating Hydrogen Bonds to Regulate Metal Mediated Dioxygen Activation	Poster	Activation	1-CON-D-320
Bowler, Bruce	Conformationally-Gated Electron Transfer in Iso-1-Cytochrome c	Poster	Heme proteins	2-BLR-183
Boyke, Christine	Modern Studies on Primodially Inspired Routes to the Fe2(SR)2(CO)6 Core in the Fe-Only Hydrogenases	Poster	Nitrogenase/Hydrogenase	2-MICH-54
Bren, Kara	Heme Axial Methionine Fluxion in Cytochromes c	Poster	Heme proteins	2-BLR-207
Brewer, George	Copper and Copper Lowering Therapy in Medicine	Oral	Medicinal Biochemistry	Tuesday 11:45 (Rackham)
Britt, David	Pulsed EPR Studies of PSII Oxygen Evolution	Oral	Bioenergetics: PSII	Monday 10:35 (MLB-4)
Brooks, Amanda	Enzymatic Acceleration of Co-C Bond Homolysis by AdoCbl-Dependent Isomerases: Spectroscopic and Computational Insights from Active Site Electronic Structure Studies	Poster	Radicals and B12	2-CON-D-325
Brown, Andrea	DNAzymes as Sensors for Metal Ions and as Templates for Directed Assembly of Inorganic Nanomaterials	Poster	Metals/Nucleic acids	2-HUSS-21
Brown, Christina	{FeNO}7 Complexes of Mononuclear Non-Heme Fe Enzymes: Exploring Reaction Pathways in aKG-Dependent and Related Enzymes	Poster	Non-heme iron and oxygen activation	1-BLR-210
Brown, Eric	The Development of Copper-Sulfur Chemistry Relevant to Modeling the Active Site of Nitrous Oxide Reductase	Poster	Copper	2-VBG-105
Brudvig, Gary	Computational Structural Studies of the Oxygen-Evolving Complex of Photosystem II	Poster	Manganese and photosynthesis	1-BLR-234
Bruijnincx, Pieter	Bis(1-alkylimidazol-2-yl)propionates: Biomimetic N,N,O ligands	Poster	Ligands and Complexes	1-MICH-64

Name	Title	Type	Session	Time
Brumaghim, Julia	The Role of Metal Coordination in Selenium Antioxidant Activity	Poster	Metals/Nucleic acids	2-HUSS-11
Brunold, Thomas C.	Spectroscopic/Computational Insights into the Biosynthesis and Reactivity of Coenzyme B12	Oral	B12 Enzymes	Thursday 11:10 (Rackham)
Bruseth, Live J.	Copper homeostasis in Methylococcus capsulatus	Oral	Metal Ion Trafficking and Homeostasis	Thursday 10:35 (MLB-3)
Bryngelson, Peter	Computational study of ligand oxidations of Ni and Zn complexes of N1,N9-bis(imino-2-mercaptopropane)-1,5,9-triazanonane	Poster	Zinc	2-HEND-279
Buchanan, Robert	Models of Interfacial Metalloprotein Hydrate Structures Containing Water Chains and Clusters.	Poster	Ligands and Complexes	1-MICH-52
Budiman, Michael	DNA Minor-Groove Adducts Formed by a Platinum-Acridine Conjugate Inhibit Association of TATA-Binding Protein with Its Cognate Sequence	Poster	Metals/Nucleic acids	2-HUSS-32
Bühl, Michael	Computational Chemistry of Vanadate Complexes with Biogenic Ligands: Structure, Properties, and Reactivities	Oral	Vanadium in Biology: Accumulation and Function	Monday 11:45 (MLB-3)
Buis, Jeffrey	Investigations of the DNA Repair Properties of Spore Photoproduct Lyase and Characterization of the Iron Sulfur Cluster	Poster	Radicals and B12	2-CON-D-333
Bultman, Eric	Pulsed EPR Studies of 17O-Labeled Sulfite Oxidase and Model Compounds	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-113
Burgmayer, Sharon	Investigation of DNA Binding and Intercalation by Ruthenium Pteridinyl-Phenanthroline Complexes	Poster	Metals/Nucleic acids	2-HUSS-27
Bursakov, Sergey	CoPf, a Co-porphyrin-containing protein of D. gigas	Poster	Metal transport and Metalloregulation	1-HUSS-7
Burstyn, Judith	Metal-Based Luminescence Sensors for Gaseous Hormones	Poster	Metal sensors	1-BLR-148
Bush, Ashley	Copper And Zinc Interaction with Alzheimer's Disease beta-Amyloid	Oral	Metal Ions, Oxidative Stress, and Disease	Wednesday 11:10 (Rackham)
Butler, Alison	The Reactivity of Vanadium Bromoperoxidase in the Biosynthesis of Halogenated Marine Natural Products	Oral	Vanadium in Biology: Accumulation and Function	Monday 11:10 (MLB-3)
Camakaris, James	Regulation of Function of the Menkes copper transporting P-type ATPase-role in health and disease	Oral	Metal Ions, Oxidative Stress, and Disease	Wednesday 10:35 (Rackham)
Caradonna, John	Non-Heme Iron Catalyzed Oxidation of Alkanes to Alcohols via Heterolytic Cleavage of Alkyl Hydroperoxides: Mechanistic and Spectroscopic Insights into Monooxygenase Chemistry	Poster	Non-heme iron and oxygen activation	1-BLR-223
Carver, Adrienne	Photoinduced Oxidation with Metal Phenoxyls	Poster	Biological Electron Transfer	1-KOESS-307
Case, David	Analysis of spin-spin interactions in transition metal clusters of biochemical interest	Oral	Novel Insights into Biological Iron-Sulfur Cluster Chemistry	Friday 11:45 (Rackham)
Castillo-Blum, Silvia E.	Spectroscopic study of Fe(III) benzimidazolic compounds	Poster	Ligands and Complexes	1-MICH-74
Cavigiolio, Giorgio	Selenoproteins Biosynthesis: Regulation by RNA/Protein Interactions	Poster	Metals/Nucleic acids	2-HUSS-7
Chakrabarty, Sarmistha	Substrate Effects on O2 Activation by Benzoate Dioxygenase	Poster	Non-heme iron and oxygen activation	1-BLR-173
Chan, Jayna	Characterization of the molecular chemistry of metallopeptides on a gold surface	Poster	Imaging	1-VBG-119
Chang, Christopher	Imaging the Oxidation Chemistry of Cells	Poster	Imaging	1-VBG-122

Name	Title	Type	Session	Time
Chapman, Stephen	Multi-heme Cytochromes: New Folds, New Ligation, New Chemistry.	Oral	Multi-heme proteins: Functions and Insights	Wednesday 10:35 (Mendelsohn)
Charkoudian, Louise	Iron Binding and Oxidation Studies of Iron Neuromelanin Model Complexes	Poster	Non-heme iron and oxygen activation	1-BLR-216
Chaudhuri, Phalguni	Functional Models of Oxidases: Catalytic Activity of Mn(IV)-Monoradical, Cu(II)-Diradical and Tetracopper(II)-Tetraradical Complexes	Poster	Radicals and B12	2-CON-D-320
Chen, Peng	From Bioinorganic Chemistry to Single Molecule Biophysics: O2 Activation by Binuclear Cu Sites and Single Motor Tracking in Living Cells	Poster	Copper	2-BLR-139
Cherney, Melisa	Characterization of the Formation of CBS-424 Under Psuedo-Assay Conditions: Effects on Enzyme Activity and Exogenous Ligand Binding	Poster	Heme proteins	2-BLR-226
Cheruzel, Lionel	Metalloenzyme Active Site Modeling Studies Using Amide Functionalized Imidazole Tripod Ligands.	Poster	Ligands and Complexes	1-MICH-53
Chiarella, Gina	Models for [Fe(CN)(CO)] Centers in [NiFe] Hydrogenase Enzymes	Poster	Nitrogenase/Hydrogenase	2-MICH-62
Chikuma, Masahiko	Chemical and Biological Studies of Antitumor Dinuclear Platinum(II) Complexes Binding Covalently and Non-covalently with DNA	Poster	Medicinal Bioinorganic	1-HEND-293
Cho, Jaeheung	Sequential Oxidation Pathways Initiated by a Bis(m-oxo)dinickel(III) Complex in Aliphatic C-H Bond Functionalization	Poster	Nickel	2-MICH-86
Choi, Chi Fung	Synthesis, Characterization, and in vitro Photodynamic Activities of Novel Glycosylated Phthalocyanines	Poster	Medicinal Bioinorganic	1-HEND-275
Choi, Sunhee	Mechanism and kinetics of Oxidation of Guanosine Derivatives by Pt(IV) Complexes	Poster	Metals/Nucleic acids	2-HUSS-9
Chow, Marina	Oxygen Intermediates in Non-Heme Iron Systems: Spectroscopic and Quantum Chemical Studies of Activated Bleomycin Reactivity	Poster	Non-heme iron and oxygen activation	1-BLR-187
Cigler, Petr	Metallacarboranes as Specific and Potent Inhibitors of Medicinally Revelant Pharmaceutical Targets	Poster	Medicinal Bioinorganic	1-HEND-295
Clark, Jonathan	The active site of P450 BM3- thermodynamic control, substrate recognition and catalytic coupling	Poster	Heme proteins	2-BLR-178
Clark, Robert	Unexpected NO-dependent DNA Binding by the CooA Homolog from C. hydrogenoformans	Poster	Heme proteins	2-BLR-198
Clay, Michael	Spectroscopic and Computational Characterization of Intermediate X of E. coli Class I Ribonucleotide Reductase	Poster	Non-heme iron and oxygen activation	1-BLR-184
Cohen, Seth	Novel Approaches to Inhibitors of Medically Relevant Metalloproteins	Poster	Medicinal Bioinorganic	1-KOESS-298
Cook, Jeremy	Characterization of Metal Binding Properties of the Mitochondrial Iron Chaperone Frataxin	Poster	Metal sensors	1-BLR-152
Cooney, Jon	Electronic Studies of Metallocene-dithiolate Ring Folding: Implications for Molybdenum and Tungsten Enzymes	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-106
Corbett, Mary	Using X-ray Absorption Spectroscopy to Probe Metallocluster Biosynthesis in the Nitrogenase Enzyme System	Poster	Nitrogenase/Hydrogenase	2-MICH-74
Cordas, Cristina Maria	Direct Electrochemical Response of NO Reductase	Poster	Heme proteins	2-BLR-165
Corral, Eva	Development of Anticancer Ruthenium Compounds	Poster	Medicinal Bioinorganic	1-HEND-257
Costas, Miquel	Cooperative Effects in O2-Activation at Dinuclear Copper Complexes	Poster	Copper	2-VBG-102
Coves, Jacques	Bacterial mercury resistance : metal trafficking and regulation	Oral	Metal Ion Homeostasis	Thursday 14:40 (MLB-3)

Name	Title	Type	Session	Time
Crane, Brian	Interprotein electron transfer in single crystals	Oral	Biological Electron Transfer	Tuesday 15:50 (Mendelsohn)
Crans, Debbie C.	Interaction of Oxovanadates and Vanadium Dipicolinate Complexes with Lipid Interphases	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-93
Cranswick, Matthew	Investigation of Iron-thiolate Interactions in CpFe(CO)2SR using Gas-Phase Photoelectron Spectroscopy and Density Functional Theory.	Poster	Nitrogenase/Hydrogenase	2-MICH-57
Crowder, Michael	Probing the Reaction Mechanism of Co(II)-substituted VanX	Poster	Zinc	2-HEND-269
da Silva, Giordano	Copper-ROS-Centered Redox Chemistry in the Brains of Alzheimer's Patients: Biomimetic Type-3 Copper Enzyme Activity and Alternative Redox Insight	Poster	Copper	2-VBG-104
Dagas, Constantinos E.	The interaction of rhenium(V) compounds with DNA and oligonucleotides	Poster	Metals/Nucleic acids	2-HUSS-40
Darensbourg, Marcetta	Iron Dinitrosyl Complexes: A Reaction Model for NO Transport and Transfer	Poster	Ligands and Complexes	1-MICH-51
Das, Siddhartha	Molecular Recognition in Regioselective Oxygenation of Saturated C-H bonds by a Dimanganese Catalyst	Poster	Manganese and photosynthesis	1-BLR-239
Dasgupta, Jyotishman	EPR Evidence for 13C-Carbonate and Calcium Binding to Mn during Photo-assembly of the Photosynthetic Water Oxidizing Complex	Poster	Manganese and photosynthesis	1-BLR-232
Datta, Ankona	Design, synthesis and characterization of chiral water-soluble picket fence and basket-handle porphyrins: applications in enantioselective epoxidation and chiral recognition	Poster	Manganese and photosynthesis	1-BLR-233
Dau, Holger	Intermediate in the oxygen-forming transition of the Photosystem II manganese complex discovered by a novel time-resolved X-ray absorption experiment	Poster	Manganese and photosynthesis	1-BLR-238
Davis, Alisa	Homo- and Heterodimerization of the 'Zinc Clasp' Domains in T-cell Specific Proteins CD4, CD8alpha and Lck	Poster	Metalloprotein design	2-KOESS-305
Davis, Anna	Metallochaperone control over metal ion delivery: The copper exchange mechanisms of yeast and human Atx1 with their physiological partner proteins	Poster	Copper	2-VBG-115
Davydov, Roman	EPR and ENDOR studies of ferrous hemoproteins radiolytically reduced and oxidized at 77K. Evidence for conformational substates in pentacoordinate ferrous hemoproteins	Poster	Heme proteins	2-BLR-172
Dawson, John H.	Reactivity of Transient Cytochrome P450 Oxygen Intermediates	Oral	Heme Enzymes and Oxygen Activation	Thursday 11:45 (Mendelsohn)
Day, Elizabeth	Reactions of Dinuclear Rhenium Carboxylate Compounds with Purine Dinucleotides	Poster	Metals/Nucleic acids	2-HUSS-34
de Hoog, Paul	Nuclease activity of heterodinuclear platinum/copper complexes, a novel approach in drug design	Poster	Medicinal Bioinorganic	1-KOESS-299
Dean, Dennis	Biochemical-genetic analysis of [Fe-S] cluster biosynthesis in Azotobacter vinelandii	Oral	Metal Cofactor Biosynthesis and Assembly	Tuesday 14:05 (MLB-4)
Dean, Norman	Vanadyl complexes of Phosphate Diesters	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-94
DeBeer-George, Serena	Polarized Mn K-edge X-ray Absorption Spectroscopy of Binuclear Mn Model Complexes	Poster	Manganese and photosynthesis	1-BLR-228
Decker, Andrea	Mononuclear Non-Heme Fe(IV)=O Systems: Electronic Structures and Comparison to Heme and Copper Species	Poster	Non-heme iron and oxygen activation	1-BLR-179
Delangle, Pascale	Novel model peptides for Atx1-like metallochaperones	Poster	Metal sensors	1-BLR-138

Name	Title	Type	Session	Time
Demicheli, Cynthia	Synthesis and Characterization of Sb(V)-adenosine and Sb(V)-guanosine Complexes in Aqueous Solution	Poster	Metal transport and Metalloregulation	1-HUSS-39
DeRose, Victoria	Metal Interactions with Structured and Catalytic RNA Molecules	Oral	Metals and Nucleic Acids	Friday 11:45 (MLB-3)
Dey, Abhishek	S K-edge XAS: Applications to Bio-inorganic Chemistry of Iron-Sulfur Active Sites in Enzymes and Model Systems	Poster	Physical Methods	1-CON-D-339
Dey, Mishtu	Sodium Borohydride Reduction of F430 Generates a New Cofactor Species : F330	Poster	Radicals and B12	2-CON-D-324
Diebold, Adrienne	Calorimetric Study of Dithiocarbamate Complexes with Essential and Toxic Metal Ions	Poster	Ligands and Complexes	1-MICH-66
Dikanov, Sergei	15N HYSCORE Spectroscopy of Archaeal Rieske Proteins	Poster	Iron-sulfur	2-HEND-258
DiTargiani, Robert	Synthetic Models of Peptide Deformylase	Poster	Zinc	2-HEND-285
Dixon, Dabney	Metalloporphyrins in Cancer Chemotherapy: The Possible Role of Auger-Based Processes	Poster	Medicinal Bioinorganic	1-HEND-273
Dobbek, Holger	Aerobic and anaerobic life on carbon monoxide	Oral	Bioorganometallic ACS/CODH	Friday 14:40 (MLB-4)
Dooley, David	Sturucture and Reactivity of Type 2 Copper Oxidases	Oral	Radical Metalloenzymes and Models	Thursday 15:50 (Rackham)
Dorlet, Pierre	Towards a Biomimetic Model for the Electron Transfer Between P680 and the TyrZ-His190 Pair of Photosystem II	Poster	Manganese and photosynthesis	1-BLR-241
Douglas, Trevor	Protein cages architectures: biomineralization, nucleic acid encapsidation, and applications in nanoscience	Oral	Biomaterials and Biomineralization	Thursday 10:35 (MLB-4)
Drennan, Cathy	Structural Insight into Antibiotic Fosfomycin Biosynthesis by a Mononuclear Iron Enzyme	Oral	Non-heme Iron Centers	Tuesday 11:10 (MLB-3)
Duarte, Rui	Evidence of vanadyl-myosin coordination upon myosin photocleavage induced by decavanadate: An EPR study	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-92
Duboc, Carole	High Field EPR: A powerful tool for the study of mononuclear Mn(II) sites	Poster	Manganese and photosynthesis	1-BLR-236
Dupureur, Cynthia	Lanthanide Spectroscopic Studies of Mg(II)-Dependent PvuII Restriction Endonuclease	Poster	Metals/Nucleic acids	2-HUSS-6
Durazo, Armando	Global disorder of disulfide-reduced ALS mutant SOD1s measured by H/D exchange.	Poster	Medicinal Bioinorganic	1-HEND-291
Dutta, Sabari	Metal Binding Studies of the Amino Terminal Domain of ZntA, a Zn/Pb/Cd-Transporting ATPase.	Poster	Metal transport and Metalloregulation	1-HUSS-10
Dye, David	Controling the Reactivatiy of Metalloenediynes via Metal ion Coordination: Development of Salen-Like Enediynes	Poster	Ligands and Complexes	1-MICH-73
Easton, Allen	Probing Zn(II) Transport in E. coli	Poster	Zinc	2-HEND-270
Eckermann, Amanda	Modification of a ligand-receptor pair for electron-transfer	Poster	Biological Electron Transfer	1-KOESS-315
Egan, Tim	Exploring the Solution Structures of Heme-Quinoline Complexes and their Relation to Antimalarial Activity	Oral	Medicinal Biochemistry	Tuesday 15:15 (Rackham)
Egdal, Rune	Phosphate binding divanadium complexes	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-109
Eichhorn, David	Modeling the Active Sites of Thiolate-Coordinated Metalloenzymes	Poster	Ligands and Complexes	1-MICH-58
Eierhoff, Dirk	Impact of Ligand Substitution Patterns in Models for Mononuclear Molybdenum Containing Enzymes	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-89

Name	Title	Type	Session	Time
Eitinger, Thomas	Transporters for Nickel and Cobalt - Experimental Evidence and Comparative Genomic Analyses	Oral	Metal Ion Homeostasis	Thursday 14:05 (MLB-3)
Elliott, Sean	Electrochemical studies of heme enzymes and proteins: bacterial peroxidases and cytochromes c	Oral	Multi-heme proteins: Functions and Insights	Wednesday 11:45 (Mendelsohn)
Ellis, Paul	Zinc and Magnesium Low Temperature Solid-State NMR Spectroscopy of Metalloproteins	Oral	Zinc in Biology	Thursday 15:50 (MLB-4)
El-Mashtoly, Samir	Heme Redox State Triggers Conformational Changes in the Ec DOS Protein: Ultraviolet Resonance Raman Spectroscopic Study	Poster	Heme proteins	2-BLR-160
Elmore, Bradley	Cytochrome P460 of Nitrosomonas europaea	Poster	Heme proteins	2-BLR-219
Eltis, Lindsay	The ins and outs of ring-cleavage dioxygenases: insights from novel spectroscopic approaches	Oral	Non-heme Iron Centers	Tuesday 15:50 (MLB-3)
Emerson, Joseph	A Cambialistic Pair of Fe- and Mn-Dependent Dioxygenases	Poster	Non-heme iron and oxygen activation	1-BLR-162
Enemark, John H.	Spectroscopic studies of the molybdenum centers of enzymes and related model compounds	Oral	Mo and W in Biology	Monday 14:40 (MLB-3)
English, Ann	Copper in the Transduction of NOx-derived Signals: Mechanisms and Biological Implications	Oral	Small Molecule Sensors	Wednesday 10:35 (MLB-4)
Essigke, Timm	Calculation of Redox Potentials in Iron-Sulfur Proteins	Poster	Iron-sulfur	2-HEND-260
Evans, Sarah	Ruthenium Mediated Guanine Oxidation in Reverse Micelles	Poster	Metals/Nucleic acids	2-HUSS-12
Fahrni, Christoph J.	Rational Design of Fluorescence Sensors for the Biological Chemistry of Copper	Oral	Imaging	Monday 15:50 (Rackham)
Farhad, Mohammad	Studies on new polynuclear palladium compounds containing planar amines	Poster	Metals/Nucleic acids	2-HUSS-37
Fautch, Jessica	Metal Oxo Reactions with Alkylating Agents: Implications for Cancer Prevention	Poster	Medicinal Bioinorganic	1-HEND-271
Fee, James	Crystallographic and Biochemical Analysis of Recombinant and Mutant Cytochrome ba3 Oxidase from Thermus thermophilus	Poster	Heme proteins	2-BLR-238
Felcman, Judith	A Methylenic Group Binds Guanidinoacetic acid to Glycine and Serine in Two Novel Copper(II) Complexes: Synthesis, X-ray-structure and Spectroscopic Characterization	Poster	Copper	2-BLR-138
Feyel, Sandra	A Gas Phase Study of the Reactivity of VmOnHo+ Clusters	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-100
Fiammengo, Roberto	Preparation of transition metal-modified DNA and RNA for the in vitro selection of hybrid catalysts	Poster	Metals/Nucleic acids	2-HUSS-23
Fiedler, Adam	Ni Superoxide Dismutase: Insights into Electronic Structure and Catalytic Mechanism Obtained Using a Combined Spectroscopic/ Computational Approach	Poster	Nickel	2-BLR-244
Finch, Maila	Synthetic Model Studies for Quercetin 2,3-Dioxygenase	Poster	Copper	2-VBG-114
Finney, Lydia	Coordination Chemistry of a Metal Binding Domain in the E. coli Zinc Transport Protein, ZntA	Poster	Zinc	2-HEND-286
Fitzpatrick, Paul	Kinetic Isotope Effects as Probes of the Mechanisms of Hydroxylation by Phenylalanine and Tyrosine Hydroxylase	Poster	Non-heme iron and oxygen activation	1-BLR-157
Fiuza, Sonia	Structure-Activitity Study of Pt(II) and Pd(II) Spermidine Complexes	Poster	Medicinal Bioinorganic	1-HEND-268
Folgosa, Filipe	Metalloproteins and cellular detoxification	Poster	Metal sensors	1-BLR-151
Fontecave, Marc	Iron and Sulfur : a Reactive Bioinorganic Combination	Oral	Plenary	Friday 09:00 (Rackham)
Franco, Helena	Nickel bioaccumulation in marine sponges	Poster	Nickel	2-BLR-242

Name	Title	Type	Session	Time
Franco, Ricardo	Resonance Raman vibrations of the covalent heme-protein linkage in cytochromes c3 are fingerprints for the protein structure	Poster	Heme proteins	2-BLR-159
Franklin, Sonya	Lanthanide-binding helix-turn-helix motifs: Structure and function of a designed metallonuclease	Poster	Metalloprotein design	2-KOESS-315
Franz, Katherine	Copper Binding Properties of Mets Motifs Found in Copper Transport Proteins	Poster	Copper	2-VBG-126
Freeman, Hans	Auracyanin A and Auracyanin B: Spectra, Structures and Functions of Two 'Blue' Cu Proteins from a Primitive Photosynthetic Bacterium, Chloroflexus aurantiacus	Poster	Copper	2-VBG-96
Freisinger, Eva	Metal Binding Properties of a Novel Plant Metallothionein	Poster	Metal transport and Metalloregulation	1-HUSS-37
Friese, Seth	The Use of Sterically Bulky Caboxylates to Model Mononuclear Non-Heme Iron(II) Active Sites	Poster	Non-heme iron and oxygen activation	1-BLR-183
Frisch, Jonathan	A Comparison of Carboxylate and Phosphinate Bridge Effects on Nonheme Diiron(II)/O2 Reactivity	Poster	Non-heme iron and oxygen activation	1-BLR-175
Fujii, Satoshi	Syntheses, Characterization, and Reactivity of Co(III) Complexes with N2S3 Coordination Environment: As Models for Co-Containing Nitrile Hydratase	Poster	Ligands and Complexes	1-MICH-50
Fujisawa, Kiyoshi	Blue Copper Proteins Model Complexes with Hydrotris(pyrazolyl)borate	Poster	Copper	2-BLR-147
Fujita, Koyu	Mechanism of Nitrous Oxide Reduction with Activated N2O Reductase from Achromobacter Cycloclastes	Poster	Copper	2-VBG-97
Fukiura, Kazuma	Site Selective Binding of Cationic Schiff Base Complexes of Nickel(II) with DNA	Poster	Metals/Nucleic acids	2-HUSS-19
Fukui, Kensuke	New Trinuclear Copper Complexes Using Cage-Type Ligands: Model for Multicopper Oxidases	Poster	Copper	2-VBG-112
Fukuzumi, Shunichi	Bioinspired Electron Transfer Catalytic Systems	Oral	Biological Electron Transfer	Tuesday 15:15 (Mendelsohn)
Fuller, Amy	Mononuclear Nitrogen/Oxygen-Ligated Mn(II) Halide Complexes: Progress Toward Understanding Halide Effects in Oxalate Degrading Enzymes	Poster	Manganese and photosynthesis	1-BLR-249
Funabiki, Takuzo	Probability of Oxygen Activation at the Ferric Center: Oxygen Activation Mechanism for Catechol Dioxygenases and Model Systems	Poster	Non-heme iron and oxygen activation	1-BLR-161
Funahashi, Yasuhiro	Formation of 'Bridged Butterfly Structures' in Reduction Steps of Dioxygen on Dicopper Complex Systems	Poster	Copper	2-VBG-111
Galardon, Erwan	A Dual-Approach towards Inhibitors of Peptide Deformylases: Scope and Limitations of Bioinorganic Models.	Poster	Ligands and Complexes	1-MICH-62
Gama, Ana	New Aryl-piperazine-Bis(3-Hydroxy-4-Pyridinonate)-IDA in Coadjuvation with a Deferiprone Derivative for Shuttle Metal Chelation	Poster	Medicinal Bioinorganic	1-HEND-289
Gantt, Stephanie	Histone Deacetylase 8: Metal Dependence and Reaction Mechanism	Poster	Zinc	2-HEND-293
Garcia-Serres, Ricardo	Site-specific chemistry in the [Fe4S4] cluster of FTR revealed by Moessbauer spectroscopy	Poster	Iron-sulfur	2-HEND-259
Gardner, Jessica	Spectroscopic and Computational Studies of Substrate Analog Adducts of Iron-Dependent Superoxide Dismutase	Poster	Non-heme iron and oxygen activation	1-BLR-212
Garner, Dewain	Unnatural Amino Acids and Nonnative Metal Cofactors in Metalloprotein Design and Engineering	Poster	Metalloprotein design	2-KOESS-309
Gennis, Robert	The Proton Pump of Cytochrome Oxidase	Oral	Bioenergetics Enzymes	Monday 14:40 (MLB-4)

Name	Title	Type	Session	Time
Georgakaki, Irene	New synthetic Mo/Fe/S clusters: Potential biological relevance	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-112
George, Simon	Nitrogen K-edge Spectroscopy as a Probe of FeMoco.	Poster	Nitrogenase/Hydrogenase	2-MICH-79
Germain, Meaghan	Proton Coupled Electron Transfer via Phenoxyl Radical Chemistry	Poster	Ligands and Complexes	1-MICH-54
Gherman, Benjamin	Modeling Dioxygen Activation and Substrate Hydroxylation at Monocopper Enzyme Sites	Poster	Copper	2-BLR-151
Ghiladi, Reza	The Met-Tyr-Trp Crosslink in Mycobacterium tuberculosis Catalase-Peroxidase (KatG): A Structure-Function-Spectroscopy Relationship	Poster	Heme proteins	2-BLR-185
Ghosh, Abhik	Understanding and Computing Metalloporphyrin Electronic Structures: From an Alkyl/Aryl/NO Isolobal Analogy to Failures of DFT for High-Valent Iron Porphyrins	Oral	High-Valent Iron-Oxo Intermediates	Thursday 14:40 (Mendelsohn)
Ghosh, Debdip	Kinetic Investigation of Insertion of Hg(II) and Cd(II) into the TRI Family of Peptides	Poster	Metalloprotein design	2-KOESS-299
Ghosh, Somdatta	The mu4-Sulfide Bridged Tetranuclear CuZ Cluster of Nitrous Oxide Reductase : Electronic Structure and role in N2O reduction	Poster	Copper	2-VBG-91
Gibney, Brian	Factors Controlling Absolute Fe(III) and Fe(II) Heme Affinity and Electrochemistry in Natural and De Novo Designed Heme Proteins	Poster	Metalloprotein design	2-KOESS-308
Giedroc, David	Coordination Chemistry of Metal Sensing Sites and Allosteric Switching in Metal-responsive Transcriptional Regulators	Oral	Metal Ion Toxicity and Resistance	Monday 11:45 (Mendelsohn)
Gil, Marco	Complexation of Molybdenum(VI) by O,S-Donor Ligands. Solution and X-ray Studies	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-111
Girerd, Jean-Jacques	Fe(III)OOH and Fe(IV)O non heme chemical models	Oral	High-Valent Iron-Oxo Intermediates	Thursday 15:15 (Mendelsohn)
Godakumbura, Pahan	Expanding the Scope of Tyr-Cys Cross-Linked, Protein Derived Cofactors	Poster	Heme proteins	2-BLR-231
Goldberg, David	Synthesis and Reactivity of Metallocorrolazines	Poster	Heme proteins	2-BLR-208
Goldsmith, Christian R.	Fluorescent Zinc Sensors with Binding Affinities that Span Four Orders of Magnitude for Quantitating Biologically Relevant Concentrations	Poster	Zinc	2-HEND-273
Grapperhaus, Craig	Reactivity Studies of a Proposed Metal-Coordinated Thiyl Radical: C-S Bond Formation	Poster	Radicals and B12	2-CON-D-321
Gray, Harry B.	Wiring Redox Enzymes	Oral	Biological Electron Transfer	Tuesday 14:40 (Mendelsohn)
Green, Kayla	A Nickel Tripeptide as a Metallodithiolate Ligand Model for the Distal Nickel Site of Acetyl co-A Synthase: Establishing Electron Donor Ability	Poster	Nickel	2-BLR-239
Grossoehme, Nick	Metal Ion Binding to the Unique Histidine-Rich Sequence. Pro(HisGly)4Pro, of the Iron-Regulated Transport Protein IRT-1 from Arabidopsis thaliana	Poster	Metal transport and Metalloregulation	1-HUSS-28
Grove, Laurie	Spectroscopic and Computational Studies on Substrate Analogue Interactions with Iron(III) Superoxide Dismutase	Poster	Non-heme iron and oxygen activation	1-BLR-209
Grzyska, Piotr	Spectroscopic Characterization of Co(II)-substituted TauD	Poster	Non-heme iron and oxygen activation	1-BLR-189
Guddneppanavar, Rajsekhar	Design, Synthesis, and Biological Evaluation of Adenine-Targeted Platinum-Acridinylthiourea Derivatives: A Structure-Activity Relationship Study	Poster	Metals/Nucleic acids	2-HUSS-26
Gunatilleke, Shamila	Inhibition of lysosomal cysteine proteases by a series of linear Au(I) complexes	Poster	Medicinal Bioinorganic	1-HEND-262

Name	Title	Type	Session	Time
Gunderson, William	Characterization of a High-Valent Intermediate in the Reaction of Peroxide with Fe(III)-TAML in Aqueous Solution	Poster	Non-heme iron and oxygen activation	1-BLR-196
Guo, Yisong	Site-Selective EXAFS in Fe-Only Hydrogenase Model Compounds Using High-Resolution Fluorescence Spectroscopy	Poster	Physical Methods	1-CON-D-331
Guo, Zijian	From Mechanistic Study to the Design of Platinum-Based Anticancer Complexes	Oral	Medicinal Biochemistry	Tuesday 10:35 (Rackham)
Gust, Ronald	Polynuclear Alkylamineplatinum(II) Complexes of [1,2-Bis(4-fluorophenyl)ethylenediamine]platinum(II): Synthesis and Investiga-tions on Cytotoxicity, Cellular Distribution, DNA and Protein Binding	Poster	Medicinal Bioinorganic	1-HEND-284
Hagedoorn, Peter-Leon	The tungsten containing aldehyde:ferredoxin oxidoreductase from Pyrobaculum aerophilum	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-103
Hagen, Wilfred	The redox potentials of the ferroxidase iron-oxo center of Pyrococcus furiosus ferritin determined by EPR monitored equilibrium titration	Poster	Non-heme iron and oxygen activation	1-BLR-193
Hakemian, Amanda	Characterization of methanobactin from Methyococcus capsulatus (Bath) and Methylosinus trichosporium OB3b	Poster	Copper	2-VBG-128
Hall, Matthew	The trafficking and transport of manganese in S. cervisiae	Poster	Metal sensors	1-BLR-150
Hambley, Trevor	Can Platinum(IV) Anti-Cancer Agents be Selectively Activated in Tumours?	Oral	Medicinal Biochemistry	Tuesday 14:40 (Rackham)
Hamidinia, Shawn	The Ionophore Nigericin Transports Pb2+ With High Activity and Selectivity: A comparison to monensin and ionomycin	Poster	Metal transport and Metalloregulation	1-HUSS-15
Hammarström, Leif	Biomimetic Approaches to Artificial Photosynthesis	Oral	Biological Electron Transfer	Tuesday 14:05 (Mendelsohn)
Hammershoei, Anders	Polyamine Amino Acid Ligand Design by Metal Template Strategy	Poster	Ligands and Complexes	1-MICH-67
Han, Jaehong	Substrate-Directed Reactivity Alteration of High-Valent Iron Oxo in Biphenyl Dioxygenase of Pseudomonas pseudoalcaligenes	Poster	Non-heme iron and oxygen activation	1-BLR-158
Hanson, Graeme	Characterization of Novel Metal Centers in Purple Acid Phosphatases and Related Model Complexes	Poster	Non-heme iron and oxygen activation	1-BLR-191
Harris, Hugh	Leaching of Heavy Metals from Dental Amalgam into Teeth	Poster	Metal transport and Metalloregulation	1-HUSS-22
Hasnain, Samar	Combined X-ray approach for studying metalloproteins function/misfunction : A powerful approach to Metallogenomics	Poster	Physical Methods	1-CON-D-324
Haumann, Michael	The Ni-Fe Site of O2-Tolerant Hydrogenases: Variations on Common Themes	Poster	Nitrogenase/Hydrogenase	2-MICH-51
Hausinger, Robert	Probing Fe-Substrate Orientation for Taurine/a-Ketoglutarate Dioxygenase Using Deuterium ESEEM Spectroscopy	Poster	Non-heme iron and oxygen activation	1-BLR-222
Hayashi, Takashi	Unusual Dioxygen Affinity of Myoglobin Reconstituted with an Artificially Created Iron Complex	Poster	Heme proteins	2-BLR-162
Heath, Rachel	Optimisation of fungal laccases for technological applications	Poster	Metalloprotein design	2-KOESS-312
Heering, Hendrik A.	Protein immobilisation on nanoscopic electrodes	Poster	Biological Electron Transfer	1-KOESS-308
Hegg, Eric	Assembling the Heme Cofactors in Cytochrome c Oxidase	Poster	Heme proteins	2-BLR-156
Herbst, Robert	Synthetic models of Nickel Superoxide Dismutase	Poster	Nickel	2-MICH-83

Name	Title	Type	Session	Time
Hernick, Marcy	Ionization of the LpxC deacetylase metal cofactor influences cataytic activity and product binding	Poster	Zinc	2-HEND-278
Hideki, Furutachi	Reversible O-O Bond Cleavage and Reformation of a Peroxo Group of a Peroxocarbonate Ligand of an Iron(III) Complex	Poster	Non-heme iron and oxygen activation	1-BLR-170
Hill, Michael	Film Voltammetry of Wild-Type and Mutant Cytochrome P450 BM3	Poster	Heme proteins	2-BLR-212
Hinnemann, Berit	The enzyme nitrogenase and its catalysis: Biological ammonia synthesis and hydrogen production	Oral	Nitrogenase	Tuesday 11:10 (Mendelsohn)
Hirota, Shun	Transition from Ni-B to Ni-A State in [NiFe]-Hydrogenase from D. vulgaris Miyazaki F and Their Structural Characterization	Poster	Nitrogenase/Hydrogenase	2-MICH-56
Hirst, Judy	Proton-coupled electron transfer reactions at Rieske [2Fe-2S] clusters: three oxidation states and four protonation states.	Oral	Novel Insights into Biological Iron-Sulfur Cluster Chemistry	Friday 14:40 (Rackham)
Hocking, Rosalie	Fe L-edge XAS Definition of the Differences between Heme and Non-heme Fe site Electronic Structures	Poster	Heme proteins	2-BLR-202
Hoffart, Lee	Initial characterization of a microbial prolyl-4-hydroxylase	Poster	Non-heme iron and oxygen activation	1-BLR-218
Hoffman, Brian	EPR and ENDOR Characterization of Nitrogenase Enzymatic Intermediates	Oral	70 Years of Nitrogenase	Sunday 15:30 (Mendelsohn)
Hoke, Kevin	Electrochemical Investigations of Nitric Oxide Synthase and its Cofactors	Poster	Heme proteins	2-BLR-215
Holland, Patrick	Studies of Low-Coordinate Iron Models of Nitrogenase	Poster	Nitrogenase/Hydrogenase	2-MICH-69
Holm, Richard H.	Chemical Approaches to Complex Heterometalsulfur Sites in Biology	Oral	70 Years of Nitrogenase	Sunday 14:00 (Mendelsohn)
Holman, Theodore	Kinetic, Spectroscopic and Structural Investigations of the First Coordination Sphere Mutant Asn694Gly of Soybean Lipoxygenase-1	Poster	Non-heme iron and oxygen activation	1-BLR-219
Hong, Jing	Interactions between a cyclic peptide and Cytochrome c: evidence for the formation of two encounter complexes	Poster	Heme proteins	2-BLR-209
Howell, Steven	A Role for Metal Ions in Marine Biomaterial Formation	Poster	Non-heme iron and oxygen activation	1-BLR-182
Hsu, Hua-Fen	The Catalytic reduction of hydrazine to ammonia at vanadium thiolate complexes: biomimetic models of vanadium nitrogenase	Poster	Nitrogenase/Hydrogenase	2-MICH-76
Hu, Chuanjiang	Proton-Mediated Electron Configuration Change in High-Spin Iron(II) Porphyrinates	Poster	Heme proteins	2-BLR-155
Hu, Zhenxin(Peter)	Effect of Zn(II) on the Folding of Metallo-beta-Lactamase L1	Poster	Zinc	2-HEND-272
Huang, Ping	X- and Q-band EPR studies of a serious of homologues dinuclear Mn-complexes in varying valence states	Poster	Manganese and photosynthesis	1-BLR-253
Huang, Victor	Kinetic and Spectroscopic Investigations of the Mechanism of Superoxide Reductase from Desulfovibrio vulgaris	Poster	Non-heme iron and oxygen activation	1-BLR-203
Huang, Zhong-Xian	Converting cytochrome b5 into cytochrome c-like protein	Poster	Metalloprotein design	2-KOESS-300
Huettinger, Karl	Towards Semisynthetic Bioorganometallic Protein Catalysts: Cyclopropanation of Styrene with Ruthenium(II)-Modified Porphyrin Cofactors in Aqueous Solution	Poster	Metalloprotein design	2-KOESS-311
Huffman, David	Metal Transfer Experiments With N-Terminal Metal Binding Domains Of Wilson Protein	Poster	Copper	2-VBG-90
Huq, Fazlul	New tumor active compounds with multiple metal centers	Poster	Medicinal Bioinorganic	1-HEND-265

Name	Title	Type	Session	Time
Huynh, Boi Hanh (Vincent)	Site-specific Fe4S4 Chemistry in Ferredoxin:Thioredoxin Reductase	Oral	Novel Insights into Biological Iron-Sulfur Cluster Chemistry	Friday 10:35 (Rackham)
Iametti, Stefania	The Relationship between Metal Ligation and Protein Folding. Iron Uptake by Rubredoxins	Poster	Iron-sulfur	2-HEND-257
Iida, Shin	Role of positive charge around heme IV in cytochrome c3 on the interaction with hydrogenase	Poster	Heme proteins	2-BLR-190
Ikeda-Saito, Masao	Molecular Mechanism of Heme Oxygenase Catalysis	Oral	Heme Enzymes and Oxygen Activation	Thursday 10:35 (Mendelsohn)
Inagaki, Sayaka	Spectroscopic Properties of CooA from C. hydrogenoformans	Poster	Heme proteins	2-BLR-174
Inomata, Tomohiko	Self-Assembled Monolayer of Artificial Siderophores	Poster	Metal sensors	1-BLR-143
Iranzo, Olga	Metal ion binding to three-stranded coiled coils controls the formation of parallel homotrimers vs antiparallel heterotrimers	Poster	Metalloprotein design	2-CON-D-317
Itoh, Shinobu	Kinetic Evaluation of Dioxygen Activation Mechanism by Dicopper Enzymes	Oral	Copper Proteins	Friday 11:10 (Mendelsohn)
Ivancich, Anabella	Protein-based Radical Intermediates in bi-functional heme peroxidases	Oral	Radical Metalloenzymes and Models	Thursday 15:15 (Rackham)
Jackson, Timothy	Axial Coordination of Pseudohalides Modulates the Physical Properties of a Non-Heme Fe(IV)=O Unit	Poster	Non-heme iron and oxygen activation	1-BLR-217
Jamieson, Elizabeth	C4' Sugar Oxidation of Deoxyribonucleotide Triphosphates by Chromium(V) Complexes	Poster	Metals/Nucleic acids	2-HUSS-2
Janaratne, Thamara	Topoisomerase I and II Inhibition by the DNA-Intercallating Ruthenium Dimers, [Ru2(phen)4tatpp]4+ and [Ru2(phen)4tatpq]4+	Poster	Metals/Nucleic acids	2-HUSS-24
Jarrett, Joseph	The Role of a [2Fe-2S]2+ Cluster in Carbon-Sulfur Bond Formation as Catalyzed by Biotin Synthase	Oral	Novel Insights into Biological Iron-Sulfur Cluster Chemistry	Friday 14:05 (Rackham)
Jenkins, Roxanne	Synthetic Analogs for the Nickel-Containing Superoxide Dismutase Active Site Using N2S2 Ligands	Poster	Nickel	2-BLR-240
Jiang, Bingying	UV/EPR Spectroscopy of Imidazolyl and Phenoxyl Radicals	Poster	Radicals and B12	2-CON-D-328
Justice, Aaron	Metal Dithiolate Cyanide Complexes for Modeling the Fe-Only Hydrogenases: Why did Nature Choose Iron?	Poster	Nitrogenase/Hydrogenase	2-MICH-52
Kaithavalappil, Rashmi	Effect of Chloride on the Rates of Iron Removal from Monoferric Transferrins by Pyrophosphate	Poster	Non-heme iron and oxygen activation	1-BLR-199
Kajita, Yuji	O2-Activation by Copper(I) Complexes of N-Alkyl Derivatives of cis,cis-1,3,5-Triaminocyclohexane	Poster	Copper	2-VBG-101
Kakinuma, Yoshiteru	DNA modification and cleavage by a planar dinuclear nickel(II) Schiff-base complex with cationic substituents	Poster	Metals/Nucleic acids	2-HUSS-17
Kalayda, Ganna	Cellular Distribution of New Antitumor-Active Dinuclear Platinum Complexes with N,N'-bis(aminoalkyl)-1,4-aminoanthraquinones in Different Types of Cancer Cells	Poster	Medicinal Bioinorganic	1-HEND-263
Kalliri, Efthalia	Kinetic and Spectroscopic Characterization of TauD Inhibitors	Poster	Non-heme iron and oxygen activation	1-BLR-195
Kandegedara, Ashoka	Crystal Structure of the S. aureus pI258 CadC Cd(II)/Zn(II)/Pb(II) Responsive Repressor	Poster	Metal transport and Metalloregulation	1-HUSS-20
Karabiyik, Mehmet	Systematic Approach to Geometric Determinants of XANES	Poster	Physical Methods	1-CON-D-343
Karlin, Kenneth D.	Synthetic Modeling of the Heme-Copper Active Site O2-Reactivity	Oral	Copper-Oxygen Chemistry	Friday 14:40 (Mendelsohn)

Name	Title	Type	Session	Time
Katoh, Akira	In Vivo Insulinomimetic Activity of Bis(1,2-dihydro-4,6-dimethyl-2-oxo-1-pyrimidinolato)oxovanadium(IV)	Poster	Medicinal Bioinorganic	1-HEND-272
Kaur, Ravinder	Redox State Dependent Axial Ligand Dynamics of Cytochrome c552 from Nitrosomonas europaea	Poster	Heme proteins	2-BLR-194
Kavallieratos, Konstantinos	Pb(II) Coordination, Extraction, and Sensing by Disulfonamide Ion-Exchangers	Poster	Metal sensors	1-BLR-147
Kawamoto, Eric	Emission Ratiometric Intracellular Zinc Probes	Poster	Zinc	2-HEND-288
Kelly, Rebekah	Comparison of the Native Zn(II) and Co(II)-substituted Active Sites For Protein Farnesyltransferase and Cobalamin-Dependent Methionine Synthase	Poster	Zinc	2-HEND-292
Kennedy, David	Structural Studies of Ni Trafficking Proteins: NikA, NikR and HypA	Poster	Nickel	2-BLR-241
Kennepohl, Pierre	Identifying and Characterizing Sulfur Radicals in Biology: Probing Radical Intermediates in Proteins with X-ray Absorption Methods	Poster	Physical Methods	1-CON-D-341
Keppler, Bernhard K.	New anti-tumor active metal compounds	Oral	Medicinal Biochemistry	Tuesday 11:10 (Rackham)
Kiekenbush, Christy	Metallothionein and Zinc Dynamics in Tumor Cells Using Inductively Coupled Mass Spectrometry	Poster	Physical Methods	1-CON-D-333
Kikuchi, Kazuya	Development of a Zinc Ion-selective Luminescent Lanthanide Chemosensor for Biological Applications	Poster	Zinc	2-HEND-268
Kim, Cheal	Biomimetic Alcohol Oxidations by Iron(III) Porphyrin Complex: Relevance to Cytochrome P-450 Catalytic Oxidation and Involvement of Two-State Radical Rebound Mechanism	Poster	Heme proteins	2-BLR-203
Kim, Hyung	The membrane-associated tetra-heme cytochrome cm552 with unusual heme interactions unique in taking up P-side protons in Nitrosomonas	Poster	Heme proteins	2-BLR-224
Kim, Jong Kyong	In vivo activation of Bacillus subtilis urease in the absence of accessory proteins	Poster	Nickel	2-BLR-247
Kim, Sun Hee	Rapid freeze quench ENDOR studies of the compound I of heme peroxidases	Poster	Heme proteins	2-BLR-232
Kirk, Martin	Electronic Structure Contributions to Reactivity in Xanthine Oxidase and CO Dehydrogenase	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-108
Kitagawa, Teizo	Effects of YC-1 and GTP on NO-bound Heme Structure of Soluble Gyanylyl Cyclase	Oral	Small Molecule Sensors	Wednesday 11:45 (MLB-4)
Kitatsuji, Chihiro	Human neuroglobin interacts with flotillin-1, a crucial structural component of lipid raft microdomain	Poster	Heme proteins	2-BLR-181
Klein, David	Advances in Dinuclear Metal Complexes Containing Bulky Carboxylate Ligands	poster	Non-heme iron and oxygen activation	1-BLR-225
Klein, Eric	Copper(II) Reduction by Methylthioether Sulfur: Relevance to ROS Generation in Alzheimer's Disease b-Amyloid Peptides	Poster	Medicinal Bioinorganic	1-HEND-286
Klinker, Eric	Structures and Reactivity of Non-heme Oxoiron(IV) Compounds	Poster	Non-heme iron and oxygen activation	1-BLR-208
Kloskowski, Michael	Manganese Catalase Models with Halide Substituted Tripodal Ligands - Kinetic Properties and Fields of Application	Poster	Manganese and photosynthesis	1-BLR-229
Knapp, Michael	Biophysical studies of the HIF-asparaginyl hydroxylase, FIH	Poster	Metal sensors	1-BLR-153
Kobayashi, Katsuaki	Regulation Mechanism of a Novel Heme-Containing Aldoxime Dehydratase, OxdB	Poster	Heme proteins	2-BLR-175
Koch, Stephen	Models for [Fe(CO)2] Center in the FeS-Cluster-Free Hydrogenase Hmd	Poster	Nitrogenase/Hydrogenase	2-MICH-65

Name	Title	Type	Session	Time
Kodera, Masahito	Copper(II) complexes of a series of new polypyridine ligands possessing a 1,2-bis(2-pyridyl)ethane common moiety. Incorporation and hydrolysis of phosphate esters	Poster	Copper	2-VBG-98
Koepke, Tillmann	Synthesis and Characterization of Photo-Labile Agents	Poster	Medicinal Bioinorganic	1-HEND-281
Kohzuma, Takamitsu	Regulation of the Structure of Blue Copper Active Site through the Hydrogen Bonding between His6 and Thr36 residues: Spectroscopic and Electrochemical Properties of Pseudoazurin Thr36Lys Mutant	Poster	Metalloprotein design	2-KOESS-303
Komeda, Seiji	High resolution crystal structures of [d(CGCGAATTCGCG)]2 co-crystallized with polynuclear platinum(II) complexes: Non-covalent interactions between DNA and potential anticancer drugs	Poster	Medicinal Bioinorganic	1-HEND-294
Kondapalli, Kalyan	Iron Binding Studies Of Yeast Frataxin	Poster	Metal transport and Metalloregulation	1-HUSS-41
Kosman, Daniel	Structure of the Yeast Ferroxidase, Fet3p: Implications for Function	Oral	Metal Ion Homeostasis	Thursday 15:50 (MLB-3)
Koutmos, Markos	Metal clusters as ligands. Substitution of Fe atoms in Fe/Mo/S clusters by thiophilic Cu(I) ions. The synthesis and structures of clusters with unique Fe/Mo/Cu/S cores.	Poster	Nitrogenase/Hydrogenase	2-MICH-71
Kovacs, Julie	A Functional Model for the Non-Heme Iron Enzyme Superoxide Reductase (SOR)	Oral	Non-heme Iron Centers	Tuesday 15:15 (MLB-3)
Koval, Iryna	Catechol oxidase models: kinetic studies and reaction mechanism	Poster	Copper	2-VBG-124
Krebs, Bernt	In Vitro Investigations of Novel Imidazole-Coordinated Cisplatin Analogues Exhibiting High Cytostatic Activity and Minimized Nephrotoxicity	Poster	Medicinal Bioinorganic	1-KOESS-297
Krebs, Carsten	Oxygen Activation by the alpha--Ketoglutarate-Dependent Dioxygenases	Oral	Non-heme Iron Centers	Tuesday 11:45 (MLB-3)
Krishnamurthy, Divya	Synthesis of NxS Ligands and their M(II) Complexes Nuclearity Control, Incorporation of Bridging Hydroxide Ligands and Magnetic Behavior	Poster	Ligands and Complexes	1-MICH-69
Kulatilleke, Chandrika	Selective Heavy Metal Chelators for Binding of Lead and Other Heavy Metals	Poster	Medicinal Bioinorganic	1-HEND-267
Kurtz, Donald	Novel Non-Heme Diiron Peroxidases from Air-Sensitive Bacteria	Poster	Non-heme iron and oxygen activation	1-BLR-164
La Mendola, Diego	Copper Binding to Human Doppel Protein Fragments	Poster	Copper	2-BLR-152
Lai, Barry	Imaging of Intracellular Metal Distribution by X-ray Microfluorescence	Poster	Physical Methods	1-CON-D-337
Larrabee, James	Magnetic Circular Dichroism and Cobalt(II) Binding Equilibrium Studies of Escherichia coli Methionyl Aminpeptidase	Poster	Physical Methods	1-CON-D-323
Larsen, Frank B.	Reversible O2 binding monolayers on single-crystal Au(111)	Poster	Metal sensors	1-BLR-154
Latour, Jean-Marc	Oxygen transfer reactions mediated by diiron complexes	Poster	Non-heme iron and oxygen activation	1-BLR-174
Lay, Peter	Metal-Based Anti-Inflammatory Drugs: Superior Drugs to Cox-2 Inhibitors	Poster	Medicinal Bioinorganic	1-HEND-277
Lee, Andrea	Biophysical Characterization of Allostery in the Heme-Dependent CO Sensor, CooA	Poster	Metal sensors	1-BLR-146
Lee, Kyung-Hoon	Studies of the Conformational Changes of Metal Coordination Environments in Three-Stranded Coiled-Coils	Poster	Metalloprotein design	2-KOESS-297
Lee, Yunho	Copper Dioxygen Chemistry Utilizing Sulfur Containing Ligand Systems	Poster	Copper	2-VBG-92
Lees, Nicholas	35 GHz ENDOR Studies of Substrate and Inhibitor Radical Interactions with S-Adenosylmethionine Fragments in Lysine 2,3-Aminomutase.	Poster	Radicals and B12	2-CON-D-326

Name	Title	Type	Session	Time
Lehnert, Nicolai	Electronic Structure of Five- vs. Six-Coordinate Fe(II)-Porphyrin NO Adducts: Effects of Binding the axial N-Donor Ligand	Poster	Heme proteins	2-BLR-179
Leitch, Sharon	Nickel Coordination Chemistry and Regulation of DNA Binding in E. coli and H. pylori NikR	Poster	Metal transport and Metalloregulation	1-HUSS-2
Lelie, Herman	Characterization of SOD1 Complexes from Transgenic Mice Spinal Cords	Poster	Copper	2-VBG-117
Levina, Aviva	Binding of chromium(VI) to histones: implications for chromium(VI)-induced genotoxicity	Poster	Metal sensors	1-BLR-137
Lewis, Elizabeth	Ultrastable Complexes for In Vivo Use: A Bifunctional Chelator Incorporating a Cross-Bridged Macrocycle	Poster	Imaging	1-VBG-121
Lewis, Mark	DNA-Dependent Cu(II)-Xaa-Xaa-His Metal-Peptide Dissociation	Poster	Metals/Nucleic acids	2-HUSS-30
Li, Jianfeng	First Five- and Six-Coordinate Cyanoiron(II) Porphyrinates	Poster	Heme proteins	2-BLR-157
Li, Meng	Investigation of the unique iron site of the [4Fe-4S] cluster in Pyruvate Formate-Lyase-Activating Enzyme	Poster	Radicals and B12	2-CON-D-336
Li, Yanjie	DNA-binding property of Helicobacter pylori NikR	Poster	Metal transport and Metalloregulation	1-HUSS-3
Lichtenberger, Dennis	Electron Transfer Energies and Electron Binding Energies of Redox-Active Metal Sites in Biology	Poster	Biological Electron Transfer	1-KOESS-314
Lieberman, Raquel	Crystal structure of particulate methane monooxygenase (pMMO), Nature's predominant methane oxidation catalyst	Poster	Copper	2-BLR-150
Lin, Yung-Feng	ArsD: A novel metallochaperone for an arsenic detoxification pump	Poster	Metal transport and Metalloregulation	1-HUSS-6
Linck, Rachel	Spectroscopic Characterization of Low-Spin Six-Coordinate Thiolate-Ligated Hemes: Relevance to the Biochemistry of Cystathionine β-Synthase	Poster	Heme proteins	2-BLR-214
Lindahl, Paul	Mechanism of Acetyl-CoA Synthase/Carbon Monoxide Dehydrogenase: a Bifunctional Enzyme with Ni-Fe-S Active Sites Connected by a Tunnel Network	Oral	Bioorganometallic ACS/CODH	Friday 14:05 (MLB-4)
Lippard, Stephen J.	Zinc and Nitric Oxide Imaging in the Brain	Oral	Imaging	Monday 15:15 (Rackham)
Lippert, Bernhard	Artificial Metal-Nucleobase Squares and their Interactions with Oligonucleotides, DNA and Simple Anions	Oral	Metals and Nucleic Acids	Friday 14:40 (MLB-3)
Lipscomb, John	Transient Intermediates in the Extradiol Dioxygenase Reaction Cycle	Poster	Non-heme iron and oxygen activation	1-BLR-207
Liptak, Matthew	Combined Spectroscopic and Computational Investigation of the Reactivation Cycle of Cobalamin-Dependent Methionine Synthase	Poster	Radicals and B12	2-CON-D-331
Liu, Jin-Gang	Functional Analogues of Cytochrome c Oxidase Active Site: Possible Effects of the Histidine-Tyrosine Cross-link and CuB	Poster	Heme proteins	2-BLR-176
Liu, Junbo	Characterization of the transmembrane metal binding site in ZntA	Poster	Metal transport and Metalloregulation	1-HUSS-9
Liu, Lucy L.	Probing Peptide-metal Ion Interactions on a Phosphorylated alpha-Synuclein Fragment	Poster	Ligands and Complexes	1-MICH-60
Liu, Qin	A Membrane Interaction Mechanism for Polynuclear Platinum Complex Uptake in Cells	Poster	Medicinal Bioinorganic	1-HEND-276
Liu, Xiaofeng	Characterization of DLP-1 and DLP-2 from B anthracis: Iron in and iron out, DNA binding and protection	Poster	Non-heme iron and oxygen activation	1-BLR-165

Name	Title	Type	Session	Time
Llarrull, Leticia Irene	Asp120 is not a proton donor in di-zinc Bacillus cereus metallo-beta-lactamase	Poster	Zinc	2-HEND-290
Lockard, Megan	A New Class of Metal-Chelating Nucleic Acids	Poster	Metals/Nucleic acids	2-HUSS-22
Lomoth, Reiner	Spectroscopic and Electrochemical Characterization of Four Stable Protonation States in a Novel Iron Hydrogenase Active Site Mimic	Poster	Nitrogenase/Hydrogenase	2-MICH-58
Londono-Lemos, Milton	Cobalt(II) and zinc(II) compounds with benzimidazolic derivatives. A structure-activity study.	Poster	Medicinal Bioinorganic	1-HEND-282
Lu, Yi	Ligad Modulation of Mixed Valency and Redox Potentials of CuA Center and its Possible Roles in Proton-Coupled Electron Transfer	Poster	Copper	2-VBG-110
Lucas, Heather	Carbon monoxide photolability in copper(I) carbonyl complexes and fast CO/O2 (re)binding	Poster	Copper	2-VBG-94
Luchinat, Claudio	Evolution - and Involution - of Calcium Signaling	Oral	Plenary	Tuesday 09:00 (Rackham)
Lugo-Mas, Priscilla	Understanding the Effect of Single Oxygen Atom Addition on the Properties of an Fe-Nitrile Hydratase Analogue	Poster	Non-heme iron and oxygen activation	1-BLR-214
Lyubenova, Sevdalina	Pulse EPR studies on the molybdenum center of polysulfide reductase from Wolinella Succinogenes	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-105
Macdonald, Isabel	Substrate binding in Ascorbate Peroxidase	Poster	Heme proteins	2-BLR-234
MacDonnell, Frederick	Preferential DNA Double-Strand Cleavage under Anerobic Conditions using a Redox Active Ruthenium Polypyridyl Dimer: Potential towards Hypoxia Selective Cancer Chemotherapy	Poster	Metals/Nucleic acids	2-HUSS-4
Machczynski, Michael	The Role of Tryptophan and Tyrosine in Electron Transfer: Making and Measuring Radicals in the Model System Azurin	Poster	Copper	2-VBG-118
Machonkin, Timothy	Reengineering Tyrosinase by Random Mutagenesis for Activity Towards Non-native Phenol Substrates	Poster	Copper	2-VBG-123
Mack, John	MCD spectroscopy and TD-DFT calculations of Metal Porphyrinoids	Poster	Physical Methods	1-CON-D-335
Mackay, Fiona	Photoactivated Platinum(IV) Anticancer Complexes	Poster	Medicinal Bioinorganic	1-HEND-269
Magnuson, Ann	New Unsymetrical Manganese(II,III) Dimer as Electron Donor in Artificial Photosynthesis. Part 2. Photochemistry and spectroscopy	Poster	Manganese and photosynthesis	1-BLR-248
Magyar, John	Probing denatured-state dynamics in cytochrome c by electron-transfer kinetics	Poster	Biological Electron Transfer	1-KOESS-313
Mahinay, Myrna	UV Resonance Raman Elucidation of the DNA-Binding Domain of the Cancer Tumor Suppressor p53 Protein	Poster	Metals/Nucleic acids	2-HUSS-5
Maiti, Debabrata	Synthesis, Characterization and Reactivity of a Dicopper(II) Complex Containing a l-g2:g2 Side-On Bound Disulfido Bridge	Poster	Copper	2-VBG-93
Makowska-Grzyska, Magdalena	Synthetic Approach Towards Understanding the Mechanism of Spore Photoproduct Lyase	Poster	Radicals and B12	2-CON-D-332
Mangrum, John	Investigation of Non-covalent Complexation Between Biomolecules and Polynuclear Platinum Drugs: A Study By ESI Ion-Trap Mass Spectrometry	Poster	Medicinal Bioinorganic	1-HEND-292
Margiotta, Nicola	Effect of glutathione upon in vitro cell growth inhibition of platinum(II) complexes with antitumoral and antiviral aromatic heterocycles.	Poster	Medicinal Bioinorganic	1-HEND-270
Maroney, Michael	A Tale of Two Dioxygenases: Non-heme Fe(II) Dioxygenases with Sulfur-containing Substrates	Poster	Non-heme iron and oxygen activation	1-BLR-220

Name	Title	Type	Session	Time
Marques, Sirgio	New N-arylsulfonyl and N-methylaryl-iminodiacetic-monohydroxamic acid derivatives as potent and selective MMPs ihibitors	Poster	Medicinal Bioinorganic	1-HEND-288
Martinelli , Manuele	Sco1/2: Copper chaperone or Thioredoxin like proteins?	Poster	Copper	2-VBG-136
Martins, Ana Sofia	Formate dehydrogenase from Desulfovibrio gigas	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-91
Masuda, Hideki	Diiron Complex with An Asymmetric Metal center Directed toward Oxyhemerythrin	Poster	Non-heme iron and oxygen activation	1-BLR-221
Matsui, Toshitaka	O2- and H2O2-Dependent Verdoheme Degradation by Heme Oxygenase	Poster	Heme proteins	2-BLR-166
Matsumoto, Takahiro	Arene Hydroxylation and Styrene Epoxidation by Copper-Dioxygen Complexes	Poster	Copper	2-BLR-146
Matsushita, Takayuki	Preparation and Characterization of Diiron(III) Complexes with Schiff Bases and Their Reactions with Hydrogen Peroxide	Poster	Non-heme iron and oxygen activation	1-BLR-185
Matzapetakis, Manolis	Exploring ferritin protein pores on the atomic level with NMR	Poster	Metal transport and Metalloregulation	1-HUSS-11
Mauk, Grant	New and Efficient Inibitors for Indoleamine 2,3-Dioxygenase	Poster	Heme proteins	2-BLR-225
McCracken, John	Elucidation of Ligand Hyperfine Couplings for Multi-Copper Oxidases Using Two-Dimensional ESEEM Spectroscopy	Poster	Physical Methods	1-CON-D-336
McDonnell, Ursula	Synthesis and DNA interactions of binuclear ruthenium complexes derived from the metallo-supramolecular cylinder structure.	Poster	Metals/Nucleic acids	2-HUSS-13
McEvoy, James	Using the Non-Heme Iron as an Electron Acceptor for the Photochemical Generation of Chlorophyll and Carotenoid Radical Cations in Photosystem II	Poster	Biological Electron Transfer	1-KOESS-302
McKenzie, Christine	Water oxidation catalyzed by a dinuclear Mn complex	Poster	Manganese and photosynthesis	1-BLR-244
McLendon, George	"Pair up in Threes" Functional Design Strategies for Metal Assembled Modular Proteins	Oral	Metalloprotein Design	Wednesday 11:45 (MLB-3)
McNaughton, Rebecca	ENDOR Studies of a Nitrile Hydratase Model Complex Containing a Novel Sulfenate-ligated Iron Center	Poster	Non-heme iron and oxygen activation	1-BLR-213
McNerney, Gregory	Spectroscopic and Computational Anaylsis of Nitrogenase's Homocitrate and NMF	Poster	Nitrogenase/Hydrogenase	2-MICH-70
McRae, Reagan	Visualization of Intracellular Copper in Mottled Embryonic Mouse Fibroblasts by Micro-XRF and Optical Fluorescence Microscopy	Poster	Copper	2-VBG-107
Meade, Thomas	Visualizing cell fate: Bioactivated-multimodal probes for imaging stem cells, b-islets and cancer	Oral	Plenary	Monday 09:00 (Rackham)
Meares, Claude	Advances in infinite binding of proteins to targets	Oral	Imaging	Monday 14:05 (Rackham)
Meeusen, Jeff	Properties of Reagents used in Intracellular Zn2+ Sensing	Poster	Zinc	2-HEND-281
Mehn, Mark	Models for Iron Acitve Sites of Nitrogenases	Poster	Nitrogenase/Hydrogenase	2-MICH-75
Melgarejo, Doris	Mixed Valence Fe Thiolate Dimers with CO and CN Ligation: Model for Di-Iron Centers in [FeFe]-Hydrogenase Enzymes	Poster	Nitrogenase/Hydrogenase	2-MICH-63
Mercer, Julian	The Role of Trafficking of Cu-ATPases in mammalian copper homeostasis	Oral	Metal Ion Homeostasis	Thursday 15:15 (MLB-3)
Merrifield, Maureen	Determination of the Cd:S cluster stoichiometry in Fucus vesiculosus metallothionein	Poster	Metal transport and Metalloregulation	1-HUSS-24

Name	Title	Type	Session	Time
Messens, Joris	Arsenate reductase, a small, almost universal, protein that uses a cysteine thiol cascade for redox chemistry	Oral	Metal Ion Toxicity and Resistance	Monday 11:10 (Mendelsohn)
Messinger, Johannes	55Mn Pulse ENDOR and X-Ray Absorption Spectroscopy Studies into the Electronic and Geometric Structures of the Oxygen-Evolving Complex in Photosystem II	Oral	Bioenergetics: PSII	Monday 11:10 (MLB-4)
Metcalfe, Clive	From Red to Green: Re-Engineering the Active Site of Ascorbate Peroxidase	Poster	Radicals and B12	2-CON-D-338
Meyer, Franc	Model studies for a possible new role of iron sulfur enzymes: the reaction of [2Fe2S] clusters with C-centered radicals	Poster	Radicals and B12	2-CON-D-327
Meyer-Klaucke, Wolfram	Zinc phosphodiesterase - a new member of the metallo beta-lactamase superfamily	Poster	Zinc	2-HEND-294
Meyerstein, Dan	The Effect of NO on the Kinetics and Mechanism of Oxidation of Amines and Peptides by Central Ni(III) Ions.	Poster	Nickel	2-MICH-84
Meyerstein, Naomi	The Role of Peroxyl radicals in the Fenton Reaction	Poster	Non-heme iron and oxygen activation	1-BLR-166
Michael, Tarasev	Analysis of Disruption of the Interaction between the Rieske and Iron Mononuclear Centers on the Substitutions of the 'Bridging' Aspartate178 in Phthalate Dioxygenase	Poster	Iron-sulfur	2-HEND-262
Michaud-Soret, Isabelle	The E. coli Ferric Uptake Regulation protein, the monomeric and dimeric form and their interaction with DNA	Poster	Metal transport and Metalloregulation	1-HUSS-8
Michel, Sarah	The Effect of Iron Binding on the Function of NUP475, a Non-Classical Zinc Finger Protein Involved in Inflammatory Response	Poster	Zinc	2-HEND-282
Michibata, Hitoshi	Vanadium in Biology: Accumulation Mechamism in Ascidians	Oral	Vanadium in Biology: Accumulation and Function	Monday 10:35 (MLB-3)
Mijangos, Edgar	Tetranuclear Copper Complexes of Bisimidazole-Amino Acid Based Ligands and their Catecholase Activity	Poster	Copper	2-VBG-89
Mijovilovich, Ana	High resolution X-ray emission: carbonic anhydrase solvent protonation	Poster	Zinc	2-HEND-296
Milaeva, Elena	The role of radical processes in the toxicity mechanism of organomercurials and organotins	Oral	Metal Ion Toxicity and Resistance	Monday 10:35 (Mendelsohn)
Millar, Michelle	A Model for the Bimetallic Active Site of [NiFe] Hydrogenase Enzymes	Poster	Nitrogenase/Hydrogenase	2-MICH-66
Miller, Catherine	Isotopic Determination of Copper Exchange in the Preparation of Laccase Isotopomers using ICP-MS	Poster	Copper	2-VBG-125
Ming, Li-June	A 'Moonlighting' Dinuclear Hydrolase: Activities toward Phosphoester Hydrolysis and Catechol Oxidation	Poster	Copper	2-VBG-116
Mirica, Liviu	Interconversion of mu-eta(2):eta(2)-Peroxodicopper(II) and Bis(mu-oxo)dicopper(III) Complexes: A Theoretical Study	Poster	Copper	2-VBG-100
Mitra, Sanghamitra	Mechanistic Studies on the Nitrile Hydratase from Pseudonocardia thermophila JCM 3095.	Poster	Non-heme iron and oxygen activation	1-BLR-211
Mitsopoulou, Christina	Interaction of mixed [(2,2'-pyridyl)quinoxaline][dithiolene]Pt(II) with oligonucleotides and DNA	Poster	Metals/Nucleic acids	2-HUSS-39
Mokhir, Andriy	Zn2+ Dependent Peptide Nucleic Acids Probes	Poster	Zinc	2-HEND-276
Mondal, Biplab	Dioxygen reactivity of a heme-nitrosyl: A peroxynitrite intermediate	Poster	Ligands and Complexes	1-MICH-55
Monty, Francois	The role of copper transport proteins in body copper homeostasis.	Poster	Copper	2-BLR-137

Name	Title	Type	Session	Time
Moore, Laura	Stabilizing a [4Fe-4S] Cluster to Oxygen: The Influence of a Hydrogen Bond Donor at Postion 28 in the FNR Transcription Factor.	Poster	Iron-sulfur	2-HEND-264
Moura, Isabel	Psedomonas stutzeri cytocrome c peroxidase - the role of calcium	Poster	Heme proteins	2-BLR-235
Moura, Jose J. G.	Mo and W Enzymes: Nitrate Reductases and Formate Dehydrogenases	Oral	Mo and W in Biology	Monday 14:05 (MLB-3)
Mowat, Christopher	Structure of a 12-heme cytochrome c from Geobacter sulfurreducens	Poster	Heme proteins	2-BLR-193
Mueller, Tina	Insights into the enantiospecificities of (R)- and (S)-dichlorprop/alpha-ketoglutarate dioxygenases	Poster	Non-heme iron and oxygen activation	1-BLR-180
Müller, Jens	Metal Ion Coordination to Azole Nucleosides	Poster	Metals/Nucleic acids	2-HUSS-8
Mullins, Christopher	N2S2 Donor Sets as Models for Metalloenzyme Active Sites	Poster	Ligands and Complexes	1-MICH-49
Münck, Eckard	Mossbauer and EPR Studies of Nitrogenase	Oral	70 Years of Nitrogenase	Sunday 13:30 (Mendelsohn)
Mundwiler, Stefan	Vitamin B12 as a Ligand: Cobalamin - Cisplatin Conjugates	Poster	Radicals and B12	2-CON-D-322
Muralidharan, Sandhya	Mutational studies of the conserved Lys693 in ZntA from Escherichia coli	Poster	Metal transport and Metalloregulation	1-HUSS-13
Murphy, Michael	A Copper Nitrosyl in Nitrite Reductase	Oral	Copper Proteins	Friday 10:35 (Mendelsohn)
Mutatu, Washington	Cloning, expression and characterization of Reductive Dehalogenases from Desulfitobacterium hafniense DCB-2	Poster	Iron-sulfur	2-HEND-267
Nakabayashi, Yasuo	Interactions of Flexible Diamine Bridged Dinuclear Ruthenium(II)-2,2'-Bipyridine Complexes with DNA	Poster	Metals/Nucleic acids	2-HUSS-16
Nakamura, Nobuhumi	Electron-Transfer Reactions and Structural Properties of Heme Proteins Immobilized on Electrodes	Poster	Heme proteins	2-BLR-186
Nam, Wonwoo	Oxoiron(IV) Porphyrin Cation Radical Complexes with a Chameleon Behavior in Cytochrome P450 Model Reactions	Oral	High-Valent Iron-Oxo Intermediates	Thursday 14:05 (Mendelsohn)
Naruta, Yoshinori	Modeling Study of Oxygen Activation in Cytochrome c Oxidase: Roles of Residues at the Active Site	Oral	Bioenergetics Enzymes	Monday 15:50 (MLB-4)
Naumov, Anatoli	Hydrogenase structure, function, and expression	Poster	Nitrogenase/Hydrogenase	2-MICH-55
Nazarov, Alexey	Synthesis, Crystal Structure, and Cytotoxicity of New Methyl-Substituted Oxaliplatin Anologues.	Poster	Medicinal Bioinorganic	1-HEND-266
Neese, Frank	High-Valent Iron Complexes: Characterization of Fe(V) in Model Systems and a QM/MM Study of the Spectroscopic Properties of Cytochrome P450CAM	Poster	Heme proteins	2-BLR-164
Neidig, Michael	Structure-Function Correlations in the alpha-keto acid Dependent Dioxygenases HPPD and HmaS: Insight into O2 Activation and Reactivity	Poster	Non-heme iron and oxygen activation	1-BLR-224
Nelson, Kevin	Searching for a New Paradigm in Metal-DNA Interactions: Selection and Characterization of Novel Metal-specific DNAzymes	Poster	Metals/Nucleic acids	2-HUSS-35
Netz, Daili J. A.	The Cytosolic Iron-Sulfur protein Assembly machinery: Characterization of the Cfd1p-Nbp35p complex	Oral	Metal Cofactor Biosynthesis and Assembly	Tuesday 14:40 (MLB-4)
Neupane, Kosh	Developing Metallothionein Capped CdSe Nanoparticles	Poster	Metal transport and Metalloregulation	1-HUSS-40
Neves, Ademir	Unsymmetrical Dinuclear [Fe(III)(mu-OH)M(II)] (M(II) = Zn, Cu) Complexes as Artificial Metallohydrolases	Oral	Metals and Nucleic Acids	Friday 14:05 (MLB-3)

Name	Title	Type	Session	Time
Newton, William E.	Some Insights into How Nitrogenase Works	Oral	70 Years of Nitrogenase	Sunday 13:00 (Mendelsohn)
Neya, Saburo	Regulation of Geometric Stability and Spin-State of Iron(III) by Isomeric Porphyrinoids	Poster	Heme proteins	2-BLR-154
Ng, Dennis K. P.	New Phthalocyanines as Efficient Photosensitizers for Photodynamic Therapy	Oral	Medicinal Biochemistry	Tuesday 14:05 (Rackham)
Ngu, Thanh	The Mechanistic Details of Arsenic Binding	Poster	Metal transport and Metalloregulation	1-HUSS-23
Nguyen, Yen	Arginine Linked Rhenium Wires for Inducible Nitric Oxide Synthase	Poster	Biological Electron Transfer	1-KOESS-303
Nicholson, Gary	Metal Stabilised Radical Complexes: Implications For Radicals In Biology	Poster	Radicals and B12	2-CON-D-330
Nielsen, Anne	Regiospecific ligand oxygenations in iron complexes	Poster	Non-heme iron and oxygen activation	1-BLR-194
Nishijima, Chika	Trinuclear Cr(III) Carboxylates Complexes Designed for Structural and Spectroscopic Study for Chromium Biochemistry	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-101
Niviere, Vincent	Detoxification of Superoxide Radical by Reduction. Reaction Mechanism of Superoxide Reductase SOR	Oral	Non-heme Iron Centers	Tuesday 14:40 (MLB-3)
Noble, Andy	Synthesis and Bioactivity of Coumarin Carboxylate Complexes	Poster	Ligands and Complexes	1-MICH-63
Noodleman, Louis	Density Functional Theory Analysis of the Active Site of Class-I Ribonucleotide Reductase Intermediate X: Connecting Structure with Spectroscopy	Poster	Non-heme iron and oxygen activation	1-BLR-177
Odaka, Masafumi	Mutational study on Fe-type nitrile hydratase from Rhodococcus sp. N771 - the hydrogen bond network between alphaGln90 and alphaCys114 is responsible for the catalytic reaction	Poster	Non-heme iron and oxygen activation	1-BLR-202
Odani, Akira	Synthesis and Anticancer Effect for Cisplatin Like Pt(II) Complexes Involving Phosphonate Group	Poster	Medicinal Bioinorganic	1-HEND-278
Ogawa, Michael	Cu(I) Luminescence from the Tetranuclear Cu4S4 Cofactor of a Synthetic 4-Helix Bundle	Poster	Metalloprotein design	2-KOESS-304
Ogura, Takashi	Time-Resolved Resonance Raman Study on Oxygen Activation by Cytochrome c Oxidase in Intact Whole Mitochondria	Poster	Heme proteins	2-BLR-180
O'Halloran, Thomas	Inorganic Battlegrounds in Infectious Disease: Zinc and Iron Chemistry of Malaria Parasite	Oral	Metal Ion Trafficking and Homeostasis	Thursday 11:45 (MLB-3)
Ohata, Nayumi	Preparation and Oxidation Function of Metallophthalocyanine Complex Encapsulated in the Faujasite Zeolite by the 'Ship-in-bottle' method	Poster	Non-heme iron and oxygen activation	1-BLR-159
Ohta, Takehiro	The NO Reduction Mechanism by ba3-oxidoreductase from Thermus thermophilus	Poster	Heme proteins	2-BLR-187
Oldenburg, Paul	Efficient H2O2 Conversion into cis-Dihydroxylated Olefin Products Catalyzed by a Bio-Inspired Non-Heme Iron Complex	Poster	Non-heme iron and oxygen activation	1-BLR-168
Ollagnier, Sandrine	Biosynthesis of Iron-Sulfur Clusters :the Peculiar Properties of the A-type Scaffold Proteins	Oral	Metal Cofactor Biosynthesis and Assembly	Tuesday 15:15 (MLB-4)
Ortillo, Danilo	Investigating the Interaction Between the [4Fe-4S] Cluster of Pyruvate Formate-Lyase-Activating Enzyme (PFL-AE), a Radical SAM Enzyme, with S-Adenosylmethionine Via EPR and ENDOR Spectroscopic Studie	Poster	Radicals and B12	2-CON-D-334
Orvig, Chris	Carbohydrate-appended Metal Complexes as Potential Agents in Nuclear Medicine	Poster	Imaging	1-VBG-116
Osako, Takao	Kinetics and DFT Studies on the Reaction of Copper(II) Complexes Supported by N,N-Bis(2-quinolylmethyl)amine Tridentate Ligands toward H2O2	Poster	Copper	2-BLR-148

Name	Title	Type	Session	Time
O'Toole, Martin	Synthetic Models of Nitrile Hydratase	Poster	Non-heme iron and oxygen activation	1-BLR-197
Ott, Ingo	Antitumor Active Cobalt-Alkyne Complexes Derived from Acetylsalicylic Acid: Studies on the Mode of Drug Action.	Poster	Medicinal Bioinorganic	1-HEND-274
Ott, Sascha	Mechanisms for Electrocatalytic Proton Reduction by Biomimetic Models of the Iron Hydrogenase Active Site	Poster	Nitrogenase/Hydrogenase	2-MICH-59
Oyerinde, Oyeyemi	Biogenic manganese oxides: Raman spectroscopic studies of structure and reactivity	Poster	Manganese and photosynthesis	1-BLR-247
Ozawa, Tomohiro	Solvent Effect of Co(III) Complexes with N2S2-type Ligands as Co(III)-type Nitrily Hydratase Model: Biological Implication of Hydrogen Bonding Interaction of Amide Carbonyl Oxygens of the Active Site	Poster	Ligands and Complexes	1-MICH-61
Padovani, Dominique	Activation of methylmalonyl-Coenzyme A mutase by MeaB	Poster	Radicals and B12	2-CON-D-339
Paine, Tapan	Dioxygen Activation by Synthetic Models of Nonheme Iron Enzymes	Poster	Non-heme iron and oxygen activation	1-BLR-163
Pal Chaudhuri, Urmila	Copper and Zinc Complexes of Pyridylmethylamide Ligands - Synthesis, Characterization and DNA Cleavage Studies	Poster	Metals/Nucleic acids	2-HUSS-25
Parkin, Alison	Electrochemical Investigations of the Interconversion between Catalytic and Inhibited States of the [FeFe]-hydrogenase from Desulfovibrio desulfuricans	Poster	Nitrogenase/Hydrogenase	2-MICH-67
Parkin, Gerard	Synthetic Analogues of Zinc Enzymes with Sulfur-Rich Active Sites	Oral	Zinc in Biology	Thursday 15:15 (MLB-4)
Patel, Ami	Differential Dynamic Effects on the Electron Transfer Photocycle in Mixed Metal Hemoglobin Hybrids	Poster	Biological Electron Transfer	1-KOESS-310
Patel, Bijal	Evolution of a Naturally Removable Protein Subdomain	Poster	Metal transport and Metalloregulation	1-HUSS-19
Pau, Monita	Towards Understanding the O2 Chemistry of Mononuclear Non-Heme Iron Enzymes: Intra- and Extradiol Dioxygenases	Poster	Non-heme iron and oxygen activation	1-BLR-181
Paulat, Florian	Magnetic Circular Dichroism Spectroscopy of Metalloporphyrins	Poster	Physical Methods	1-CON-D-327
Pazicni, Samuel	Spectroscopic and Functional Characterization of the Novel Redox Properties of the Heme in Cystathionine beta-synthase	Poster	Heme proteins	2-BLR-217
Peng, Yi	Kinetic Studies Pyruvate Formate Lyase and Activation of Pyruvate Formate Lyase Mutants	Poster	Radicals and B12	2-CON-D-337
Pereira-Maia, Elene	Interactions of arsenic(III) with metallothionein and a model oligopeptide	Poster	Metal transport and Metalloregulation	1-HUSS-26
Perera, Eranda	Microbial degradation of Roxarsone	Poster	Metal transport and Metalloregulation	1-HUSS-36
Periyannan, Gopal	Mechanistic Studies on the Aminopeptidase from Vibrio proteolyticus	Poster	Zinc	2-HEND-283
Petasis, Doros	The Tetraheme Cytochrome c554 from Nitrosomonas europaea can function as a Bacterial NO Reductase	Poster	Heme proteins	2-BLR-210
Petering, David	Cd2+ Toxicity in the Kidney: Inhibition of Zn-finger Transcription Factor Sp1	Poster	Metal sensors	1-BLR-139
Peters, John	The Role of MgATP Binding in Nitrogenase Catalysis	Oral	Nitrogenase	Tuesday 10:35 (Mendelsohn)

Name	Title	Type	Session	Time
Petoud, Stephane	New Antennae Ligands for Lanthanide Cations Emitting in the NIR	Poster	Imaging	1-VBG-117
Pfeiffer, Douglas	Monensin Improves the Effectiveness of meso-Dimercaptosuccinate when used in the Treatment of Pb Intoxication	Poster	Metal transport and Metalloregulation	1-HUSS-16
Piamonteze, Cinthia	X-ray MCD as a probe of Iron-Sulfur proteins magnetic structure	Poster	Physical Methods	1-CON-D-340
Pickett, Chris	Interactions of small molecules at isolated FeMoco : relic chemistry of an ancient enzyme ?	Oral	70 Years of Nitrogenase	Sunday 14:30 (Mendelsohn)
Pierce, Brad	Kinetic and Spectroscopic Characterization of Cyano-Tyrosinate Adducts of Soluble delta9-Desaturase	Poster	Non-heme iron and oxygen activation	1-BLR-188
Pierik, Antonio	The [Fe-S] cluster containing enzymes of the nicotinate fermentation pathway of Eubacterium barkeri	Poster	Iron-sulfur	2-HEND-265
Pinakoulaki, Effie	Time-Resolved Resonance Raman and Time-Resolved Step-Scan FTIR Studies of Nitric Oxide Reductase from Paracoccus denitrificans: Comparison of the Heme b3-FeB Site to that of the Heme-CuB in Oxidases	Poster	Heme proteins	2-BLR-167
Pinkert, Jocelyn	Modeling Proline Ligation in the Heme-Dependent CO Sensor, CooA, Using Small Molecule Analogs	Poster	Heme proteins	2-BLR-218
Pletneva, Ekaterina	Unraveling Folding Dynamics of Heme Proteins with Fluorescence Energy Transfer Kinetics	Poster	Biological Electron Transfer	1-KOESS-309
Pokutsa, Oleksandr	Size Discrimination in the Activation of Aliphatic C-H Bonds by an FeIIIFeIV(mu-O)2 Oxidant	Poster	Non-heme iron and oxygen activation	1-BLR-160
Popescu, Codrina	Moessbauer studies of the effects of ligand binding and redox changes in the active center of the [NiFe]-hydrogenase from Allochromatium vinosum	Poster	Nitrogenase/Hydrogenase	2-MICH-64
Popot, Jean-Luc	Why does the b6f complex comprise three more cofactors than cytochrome bc1?	Oral	Bioenergetics: PSII	Monday 14:05 (MLB-4)
Potter, Soshanna	Zinc Binding Studies on Yeast, Bovine and Human SOD1 Reveal Differences Between the Apo Structures	Poster	Zinc	2-HEND-280
Powell, Annie	Modeling Calcium Carbonate Biomineralization Processes	Oral	Biomaterials and Biomineralization	Thursday 11:45 (MLB-4)
Preusch, Peter	NIGMS Portfolio in Bioinorganic Chemistry	Poster	Other	1-HUSS-1
Price, John	Kinetic Dissection of the Taurine/alpha-Ketoglutarate Dioxygenase Catalytic Cycle: a model alpha-Ketoglutarate Dioxygenase	Poster	Non-heme iron and oxygen activation	1-BLR-186
Proshlyakov, Denis	Cryogenic Transient Raman Studies on Mononuclear non-Heme Iron-Oxygen Species of TauD	Poster	Non-heme iron and oxygen activation	1-BLR-192
Puiu, Simona	Heme/Cu Complexes as Functional Models for the Active Site of Cytochrome c Oxidase	Poster	Ligands and Complexes	1-MICH-57
Qin, Jie	ArsM:a bacterial arsenite S-adenosylmethionine methyltransferase	Poster	Metal transport and Metalloregulation	1-HUSS-4
Qu, Xiaogang	Facilitating single-stranded nucleic acid poly(dA) and poly(rA) self-structured by a europium and amino acid complex	Poster	Metals/Nucleic acids	2-HUSS-20
Que, Lawrence	Oxygen Activation at Nonheme Iron. New Features of the Oxoiron(IV) Landscape	Oral	Non-heme Iron Centers	Tuesday 14:05 (MLB-3)
Quiroz, Soledad	A Critical Histidine in Klebsiella aerogenes UreG	Poster	Nickel	2-BLR-246
Rajendiran, Thekkelnaycke	The Incorporation of 18O into Phthalate in the Enzymatic Formation of 4,5-dihydro 4,5-dihydroxy phthalate: Isotope labeling and LC-MS/MS studies	Poster	Physical Methods	1-CON-D-328
Ralle, Martina	Identification of Differentially Expressed Proteins in Livers of the Wilson Disease Gene Knock-out Mice using Quantitative Mass Spectrometry	Poster	Copper	2-VBG-130

Name	Title	Type	Session	Time
Rampersad, Marilyn	Bioinspired Metallodithiolate Ligands To facilitate C-C Coupling Reactions at Palladium	Poster	Nickel	2-MICH-87
Raptis, Raphael	Iron-Oxo pyrazolates as Electron Transfer Agents and possible MRI Contrast Agents	Poster	Imaging	1-VBG-120
Rauchfuss, Thomas	Ferrous Thiolato Carbonyls and Their Connection to the Fe-only Hydrogenases	Oral	Bioorganometallic H2ase	Friday 11:45 (MLB-4)
Raven, Emma	Redox and Spectroscopic Properties of Human Indoleamine 2,3-Dioxygenase: Implications for Biological Catalysis	Poster	Heme proteins	2-BLR-236
Ray, Gigi	Coordination of Methoxide Donor Ligands to Catalytic Manganese (III) and Manganese (IV) Porphyrins Probed by Paramagnetic NMR Spectroscopy	Poster	Heme proteins	2-BLR-211
Raymond, Kenneth	Toward High Relaxivity and High Stability in Gd MRI Agents	Oral	Imaging	Monday 10:35 (Rackham)
Re, Nazzareno	A Density Functional Study of Ruthenium(II) and Ruthenium(III) interaction with Nucleobases	Poster	Metals/Nucleic acids	2-HUSS-14
Rees, Katherine	Heme in Cystathionine beta-Synthase: A Role in Electron Transfer?	Poster	Heme proteins	2-BLR-220
Rehder, Dieter	Insulin-mimetic oxovanadium-picolinates	Poster	Medicinal Bioinorganic	1-HEND-259
Ren, Jinsong	Interactions of Polyoxometalates with Basic Fibroblast Growth Factor	Poster	Medicinal Bioinorganic	1-KOESS-300
Reynolds, Mark	Heme Inhibits Mammalian BK Channels	Poster	Heme proteins	2-BLR-213
Rigby Duncan, Kelly	Metal-dependent protein folding kinetics of metallothionein	Poster	Metal transport and Metalloregulation	1-HUSS-18
Riggs - Gelasco, Pamela	Manganese or Iron? Spectroscopic Studies on the Inorganic Cofactor of the C. ammoniagenes Ribonucleotide Reductase.	Poster	Manganese and photosynthesis	1-BLR-246
Riordan, Charles	Synthetic Chemistry and Chemical Precedents for Understanding the Structure and Function of Acetyl Coenzyme A Synthase	Oral	Bioorganometallic ACS/CODH	Friday 15:15 (MLB-4)
Robinson, Brigitte	Spectroscopic Studies for the Elucidation of Structure and Mechanism in the SenC/RegB/RegA Signal Transduction Pathway	Poster	Metal sensors	1-BLR-149
Robinson, Nigel John	ArsR-SmtB metal-sensing transcriptional-repressors	Oral	Metalloregulation	Monday 14:40 (Mendelsohn)
Rodgers, Kenton	Coordination Chemistry in MMP Active Sites: Zinc Binding Group Properties and Inhibitory Activity	Poster	Zinc	2-HEND-295
Rogers , Melanie	Structural Effects on O2 Activation by Benzoate Dioxygenase	Poster	Activation	1-CON-D-321
Rogge, Corina	Role of Tyr348 in Tyr385 Radical Dynamics and Cyclooxygenase Inhibitor Interactions of Prostaglandin H Synthase-2	Poster	Heme proteins	2-BLR-173
Romão, Maria João	Multiheme (type c) membrane bound nitrite reductase from Desulfovibrio desulfuricans ATCC 27774: The relevance of the two calcium sites in the catalytic subunit.	Oral	Multi-heme proteins: Functions and Insights	Wednesday 11:10 (Mendelsohn)
Rosell, Federico	Linkage of Metal Ions and pH on Hemopexin-Heme Complex Stability	Poster	Heme proteins	2-BLR-227
Rosenzweig, Amy	Crystal structure of particulate methane monooxygenase	Oral	Copper Proteins	Friday 11:45 (Mendelsohn)
Roy Choudhury, Jayati	DNA Sequence and Groove Recognition by Platinum-Acridine Conjugates	Poster	Metals/Nucleic acids	2-HUSS-33
Ryan, Kelly	Investigation of the Structure/Function Relationships in Nickel-Containing Superoxide Dismutase	Poster	Nickel	2-BLR-243
Ryan, Michael	Chronoamperometric Study of Bisulfite Reduction by Myoglobin	Poster	Heme proteins	2-BLR-221
Sadique, Azwana	Mechanistic insight into N=N cleavage by a low-coordinate iron(II) hydride	Poster	Nitrogenase/Hydrogenase	2-MICH-73

Name	Title	Type	Session	Time
Sakurada, Shinichi	Detection of Double Stranded DNA by Intercalation of Ruthenium(II) Complex on Electrochemiluminescence	Poster	Metals/Nucleic acids	2-HUSS-18
Sakurai, Takeshi	Nitric Oxide Reductase in the Forms Different from the Resting Form and Reactions with Nitric Oxide	Poster	Heme proteins	2-BLR-188
Salgado, Maria	Kinetic Studies of Cu(I) Binding to Metallothionein	Poster	Copper	2-VBG-113
Sandros, Marinella	Maltose-Responsive Protein Nanoparticles: Using Ligand Gated Electron Transfer	Poster	Biological Electron Transfer	1-KOESS-312
Sarangi, Ritimukta	X-ray Absorption Spectroscopy of Mononulear and Binuclear [LCun-O2]n- Complexes: Understanding O2 Activation by Copper Proteins	Poster	Copper	2-VBG-127
Sarkar, Sabyasachi	Direct Incorporation of Ferric Ion in Porphyrinogen Core: Tetrakiscyclohexylferricporphyrinogen Anion with Different Conformers	Poster	Heme proteins	2-BLR-197
Scarpellini, Marciela	A MnSOD Structural Model Complex Employing a Pyrazole-containing Ligand	Poster	Manganese and photosynthesis	1-BLR-230
Scarrow, Robert	H-bonding in complexes of chelating ligands with ureayl and guanidinyl functional groups	Poster	Ligands and Complexes	1-MICH-72
Schaffner, Walter	Copper and other heavy metals: from insects to mammals	Oral	Metalloregulation	Monday 14:05 (Mendelsohn)
Scheidt, W. Robert	Nuclear Resonance Vibrational Spectroscopy of Hemes - New Results for NO and CO Species	Poster	Physical Methods	1-CON-D-325
Schiemann, Olav	Manganese(II) binding to a minimal and tertiary stabilized Hammerhead Ribozyme	Poster	Metals/Nucleic acids	2-HUSS-28
Schindelin, Hermann	Molybdenum Cofactor Biosynthesis	Oral	Mo and W in Biology	Monday 15:50 (MLB-3)
Schneider, Curtis	Development of Asymmetric Sulfoxidation Catalysts based on Functional Models of Vanadium Depedent Haloperoxidases	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-107
Schofield, Mark H.	Synthesis and reactivity of chiral bioxazoline platininum (II) complexes: Design of potential anti-cancer drugs.	Poster	Metals/Nucleic acids	2-HUSS-42
Schultz, Elise	The Design and Synthesis of Multimodal Contrast Agents for Magnetic Resonance Imaging	Poster	Imaging	1-VBG-118
Schwartz, Jennifer	Spectroscopic Characterization and Comparison of the Binuclear Non-Heme Ferrous sites in m-Ferritin and S-Nitric Oxide Reductase	Poster	Non-heme iron and oxygen activation	1-BLR-205
Schwarz, Guenter	Molybdenum Cofactor Biosynthesis: The Mechanism of Metal Transfer to Molybdopterin Involves Copper	Oral	Mo and W in Biology	Monday 15:15 (MLB-3)
Scott, Thomas	The First Active-Site Analogue for the All-Ferrous Iron Protein of Nitrogenase	Poster	Nitrogenase/Hydrogenase	2-MICH-80
Seefeldt, Lance	Insights Into the Nitrogenase Mechanism	Oral	70 Years of Nitrogenase	Sunday 15:00 (Mendelsohn)
Seravalli, Javier	Infrared Evidence that the Only Adduct Formed when Acetyl-Coenzyme A Synthase is Reacted with CO is the NiFeC Complex	Poster	Nitrogenase/Hydrogenase	2-MICH-60
Sexton, Jennifer	Iron Acquisition by Pseuomonads from Insoluble Mineral Sources	Poster	Metal transport and Metalloregulation	1-HUSS-35
Shan, Xiaopeng	The First Example of a Nonheme Diiron(II,III) Superoxo Species	Poster	Non-heme iron and oxygen activation	1-BLR-169
Shangguan, Guoqiang	DNA Binding Specificity and Cytotoxicity of Novel Antitumor Agent Ge132 Derivatives	Poster	Medicinal Bioinorganic	1-HEND-279
Sharma, Narayan	Kinetic and Structural Studies on Metallo-beta-Lactamase ImiS	Poster	Zinc	2-HEND-271
Shen, Yuhua	The Effect of asparticacid on the Formation of Calcium Bilirubinate	Poster	Medicinal Bioinorganic	1-HEND-296

Name	Title	Type	Session	Time
Sherman, Suzanne	Synthetic Modeling of Manganese Superoxide Dismutases	Poster	Manganese and photosynthesis	1-BLR-237
Shete, Vivekanand	Development of protein based Pb2+ biosensors	Poster	Metalloprotein design	2-KOESS-313
Shields, S. Brookhart	Investigation of Prion Repeat Domains: Metal Binding, Cooridination, and Selectivity.	Poster	Metalloprotein design	2-KOESS-316
Shih, Crystal	Photoinduced Multistep Tunneling in Azurin	Poster	Biological Electron Transfer	1-KOESS-304
Siegbahn, Per	The mechanism for dioxygen formation in PSII studied by quantum chemical methods	Oral	Bioenergetics: PSII	Monday 11:45 (MLB-4)
Sigel, Helmut	Nucleobases. Their Acid-Base and Metal Ion-Binding Properties	Oral	Metals and Nucleic Acids	Friday 10:35 (MLB-3)
Sigel, Roland K. O.	Structure of the Branchpoint Domain 6 in a Group II Intron Ribozyme	Oral	Metals and Nucleic Acids	Friday 11:10 (MLB-3)
Silvernail, Nathan J.	Structural and Vibrational Study of Heme Carbonyls With Solid-State Interactions	Poster	Heme proteins	2-BLR-158
Silversides, Jon	Novel use of rigidified tetraazamacrocycles as tumour targeted prochelators	Poster	Medicinal Bioinorganic	1-HEND-290
Singh, Akhilesh	Bivalent and Trivalent Iron Complexes of varying Nuclearity with Pyridine Amide Ligands. Inorganic and Bioinorganic Perspectives	Poster	Ligands and Complexes	1-MICH-75
Slonkina, Elena	Full Multiple-Scattering Calculations of Cu K-edge XANES in Bioinorganic Systems	Poster	Physical Methods	1-CON-D-334
Smirnov, Valeriy	Oxygen Isotope Effects in Superoxide Anion Oxidation by Tripodal Copper(II) Complexes	Poster	Copper	2-VBG-109
Smith, Matt	Nuclear Resonant vibrational Spectroscopy: A New Look at the Vibrational Spectra of [2Fe-2S] Clusters	Poster	Physical Methods	1-CON-D-329
Smith, Sheila	Synthesis and Characterization of a Novel DihydroxamatoDinitrosylIron(II) Complex: A Model for NO reduction to N2O by Ferrioxamine B	Poster	Non-heme iron and oxygen activation	1-BLR-176
Sobrado, Pablo	Identification of important residues for the interaction between stearoyl-acyl carrier protein desaturase and ferredoxin	Poster	Non-heme iron and oxygen activation	1-BLR-190
Sohn, Se Hui	Characterization of Cu/Zn-superoxide dismutase mutant C57S lacking intrasubunit disulfide bond	Poster	Copper	2-VBG-106
Solomon, Edward	O2 and N2O activation by binuclear, trinuclear, and tetranuclear copper clusters	Oral	Copper-Oxygen Chemistry	Friday 15:15 (Mendelsohn)
Sommerhalter, Monika	A New Crystal Form of Ribonucleotide Reductase R2 from Escherichia coli	Poster	Non-heme iron and oxygen activation	1-BLR-204
Sousa, Eduardo	Regulatory Mechanism of Sensing by FixL-FixJ	Poster	Metal sensors	1-BLR-141
Spingler, Bernhard	Dinuclear metal complexes interacting with poly d(GC)	Poster	Metals/Nucleic acids	2-HUSS-29
Splan, Kathryn	Development of Hydroxypyridinones as Fe(II)/a-Ketoglutarate-Dependent Dioxygenase Inhibitors	Poster	Non-heme iron and oxygen activation	1-BLR-206
Spolitak, Tetyana	Intermediate Formation of WT and Y96F Variant of Ferric Cytochrome P450cam in the Reaction with Peracids	Poster	Heme proteins	2-BLR-189
Spuches, Anne Marie	Thermodynamics of Zinc, Cobalt and Arsenic Binding to the DNA Binding Domain of Glucocorticoid Receptor: The Good, the Bad and the Ugly	Poster	Metal transport and Metalloregulation	1-HUSS-34
Sreenivasulu, Bellam	Cu(II) complexes of Schiff base and reduced Schiff base Ligands: Influence of weakly ligating sulfonate group on structure and catecholase activity	Poster	Copper	2-BLR-140
Srisung, Sujittra	Complexation of Iron(III) by Phosphonocarboxylate Ligands	Poster	Non-heme iron and oxygen activation	1-BLR-200

Name	Title	Type	Session	Time
Stack, Daniel	Tyrosinase Reactivity in a Model Complex: An Alternative Hydroxylation Mechanism	Oral	Copper-Oxygen Chemistry	Friday 14:05 (Mendelsohn)
Steinbaugh, Greg	Effect of Carboxylic Acid Ionophores given Simultaneously with Pb on the Accumulation of Pb in Selected Rat Tissues	Poster	Metal transport and Metalloregulation	1-HUSS-17
Stemmler, Ann	Structure and Function of ArsC, an Arsenate Reductase	Poster	Metal transport and Metalloregulation	1-HUSS-32
Stemmler, Timothy	Structural Implications into Frataxin's Role in Heme and Iron-Sulfur Cluster Biosynthesis	Oral	Metal Cofactor Biosynthesis and Assembly	Tuesday 15:50 (MLB-4)
Stich, Troy	A New Paradigm in Biological Co-C Bond Formation: Spectroscopic Studies of Human ATP:Cobalamin Adenosyltransferase	Poster	Radicals and B12	2-CON-D-329
Stillman, Martin	Magnetic circular dichroism study of the heme scavenging Isd proteins of Staphylococcus aureus	Poster	Heme proteins	2-BLR-223
Stoian, Sebastian	Moessbauer Evidence for an Fe(IV)=O Species in Acidic Aqueous Solution	Poster	Non-heme iron and oxygen activation	1-BLR-215
Stolzenberg, Alan	Axial Ligation Equilibria as Probes of the Effective Steric Bulk of Substituted Metallo-Tetraarylporphyrin Complexes	Poster	Heme proteins	2-BLR-201
Stone, Kari	Spectroscopic Studies of Chloroperoxidase Compound II	Poster	Heme proteins	2-BLR-229
Strange, Richard	Molecular dynamics and atomic resolution crystallography of human SOD1 shed light on structural features relevant to its role in familial ALS.	Poster	Physical Methods	1-CON-D-342
Streit, Bennett	Detoxifying Chlorooxides by Respiration in Dechloromonas aromatica RCB	Poster	Metal transport and Metalloregulation	1-HUSS-31
Stubbe, JoAnne	Ribonucleotide Reductases: Use of Unnatural Amino Acids to Understand the Radical Initiation Process.	Oral	Radical Metalloenzymes and Models	Thursday 14:40 (Rackham)
Stubna, Audria	Mossbauer and DFT Studies of Non-heme Iron(IV) Complexes	Poster	Physical Methods	1-CON-D-338
Styring, Stenbjörn	Origin of split EPR signals from the Tyr.Z and the Ca-Mn4 cluster in Photosystem II induced by illumination at 5K	Poster	Manganese and photosynthesis	1-BLR-250
Su, Jia	Interaction of Peroxynitrite with MetMb probed by Fluorescein	Poster	Heme proteins	2-BLR-199
Sugimoto, Hideki	Preparation, Characterization, and Redox Behavior of Molybdenum and Tungsten Complexes with Terminal Sulfide Groups	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-97
Sugimoto, Naoki	Metal ion-Responsive Structural Switch of G-Quadruplexes	Poster	Metals/Nucleic acids	2-HUSS-3
Summers, Anne	Genetic and Biophysical Insights into How MerR Distinguishes Hg(II), Cd(II), and Zn(II)	Oral	Metalloregulation	Monday 15:15 (Mendelsohn)
Sun, Hongzhe	Expression and Characterization of the Histidine-rich Protein, Hpn: Potential for Nickel Storage in Helicobacter pylori	Poster	Nickel	2-BLR-248
Surmeli, Nur Basak	Understading the mechanism of Peroxynitrite induced nitration of Escherichia coli Manganese Superoxide Dismutase	Poster	Biological Electron Transfer	1-KOESS-301
Svensen, Nina	Oxygen Acitvation by Variant H99A of Taurine:alpha-Ketoglutarate Dioxygenase	Poster	Activation	1-CON-D-319
Swain, Marla	Rational Design of Galactose Oxidase Mimetic Proteins	Poster	Metalloprotein design	2-KOESS-314
Szajna, Ewa	Coordination Chemistry of Mononuclear Ni(II) Complexes of Relevance to Acireductone Dioxygenase	Poster	Activation	1-CON-D-318

Name	Title	Type	Session	Time
Szilagyi, Robert	Spectroscopic and Computational Investigations of Small Molecule Activation by [MoFe3S4] Clusters: Ligand Controlled Reactivity	Poster	Nitrogenase/Hydrogenase	2-MICH-77
Tachi, Yoshimitsu	Mechanistic Insights on Bio-inspired Iron Oxidation Catalysts	Poster	Non-heme iron and oxygen activation	1-BLR-171
Tagore, Ranitendranath	Determination of Ligand Exchange Rates in di-mu-oxo di-Manganese Complexes by Electrospray Ionization Mass Spectroscopy	Poster	Manganese and photosynthesis	1-BLR-235
Takayama, Shin-ichi	Role of Asn64 in Regulation of Axial Met Orientation and Redox Function of Pseudomonas aeruginosa Cytochrome c551	Poster	Heme proteins	2-BLR-177
Taki, Masayasu	Development of New Ratiometric Zinc Fluorescent Probes	Poster	Zinc	2-HEND-275
Tan, Xiangshi	Function of the Tunnel Network in Acetyl-Coenzyme A Synthase/Carbon Monoxide Dehydrogenase	Poster	Nickel	2-MICH-88
Tarnai, Mate	Oxygen activation by Co(II) and V(IV) complexes with 3,7-diazabicyclo[3.3.1]nonane-derived ligands	Poster	Activation	1-CON-D-317
Tatsumi, Kazuyuki	Synthesis of Iron/Sulfur Clusters in Non-Polar Solvents - Toward Better Clusters Modeling the Nitrogenase Active Sites	Oral	Nitrogenase	Tuesday 11:45 (Mendelsohn)
Tatur, Jana	Auctoclavable archaeal ferritin	Poster	Metal transport and Metalloregulation	1-HUSS-14
Taylor, Richard	Selective Transport of Pb2+ and Cd2+ Across a Bilayer Membrane by a Cyclohexanetricarboxylic Acid-Capped Crown Ether	Poster	Metal transport and Metalloregulation	1-HUSS-25
Tayyem, Hasan	Studies on the synthesis and binding with DNA of trans-planaraminepalladium(II) complexes of the form trans-PdCl2L2 where L is a planaramine	Poster	Metals/Nucleic acids	2-HUSS-15
Telford, Jason	Control of Metal-Ion Coordination through Outer-Sphere Ligand Interactions	Poster	Metal transport and Metalloregulation	1-HUSS-42
Telser, Joshua	Advanced Paramagnetic Resonance Studies of the Fe-only Hydrogenase I from Clostridium pasteurianum (CpI)	Poster	Nitrogenase/Hydrogenase	2-MICH-49
Terner, James	Noninvasive Remote Monitoring of Tissue Oxygen Saturation	Poster	Metal sensors	1-BLR-145
Tesema, Yohannes	Syntheses and Characterization of Copper (II) Complexes Containing Cysteinyldopa Model Ligands	Poster	Ligands and Complexes	1-MICH-70
Thauer, Rudolf K	The mononuclear iron active site of the iron-sulfur-cluster-free hydrogenase (Hmd)	Oral	Bioorganometallic H2ase	Friday 10:35 (MLB-4)
Theil, Elizabeth C.	The Ferritin Fe and O Stories: Protein, genes and mRNA	Oral	Plenary	Wednesday 08:30 (Rackham)
Therien, Michael	In Vivo Optical Imaging Enabled by Soft-Matter Analogues of the Quantum Dots	Oral	Imaging	Monday 14:40 (Rackham)
Thompson, Alisha	Biochemical Characterization of Dap1, a novel class of heme binding proteins	Poster	Heme proteins	2-BLR-184
Thompson, Katherine H.	Comparison of curcumin, diacetylcurcumin and analogs as ligands for vanadyl, Ga(III) and In(III) complexes with therapeutic potential	Poster	Medicinal Bioinorganic	1-HEND-258
Thyagarajan, Sunita	Mechanistic insights into selective DNA strand scission mediated by bis-[2-(2-pyridyl)ethyl]amine Copper(II) complexes	Poster	Copper	2-VBG-103
Tierney, David	Models to Maquettes to Metalloproteins: Cobalt as a Spectroscopic Probe of Zinc Biochemistry	Poster	Zinc	2-HEND-291
Tinoco, Arthur	Thermodynamic and kinetic study of the interaction of Ti(IV) with transferrin	Poster	Medicinal Bioinorganic	1-HEND-285
Tioni, Mariana	Bacillus cereus metallo-b-lactamase uses a branched mechanism to hydrolyze different antibiotics	Poster	Zinc	2-HEND-289

Name	Title	Type	Session	Time
Tocheva, Elitza	Visualization of small molecules bound to copper nitrite reductase	Poster	Copper	2-VBG-120
Tolman, William	Using Synthetic Chemistry to Understand Copper Protein Active Sites	Oral	Plenary	Friday 16:30 (Rackham)
Tommos, Cecilia	Redox Properties of Tryptophan and Tyrosine: Effects of the Protein Matrix	Oral	Metalloprotein Design	Wednesday 10:35 (MLB-3)
Tosha, Takehiko	Origin of Functional Difference in Structurally Homologous Enzymes, Coral Allene Oxide Synthase and Catalase; Resonance Raman Investigation	Poster	Heme proteins	2-BLR-237
Touw, Debra	Crystallization of Designed Three-Stranded Coiled Coil Peptides	Poster	Metalloprotein design	2-KOESS-301
Toyoshima, Chikashi	Ion pumping by calcium ATPase of sarcoplasmic reticulum : a structural perspective	Oral	Plenary	Thursday 09:00 (Rackham)
Trani, Manuela	Expression of C. acidovorans Xanthine Dehydrogenase Containing One FAD and Two [2Fe-2S] Centers but no Mo-pyranopterin Center	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-95
Tremain, Scott	Conformational Stability of Horseradish Peroxidase Probed by Spectroscopic Methods	Poster	Heme proteins	2-BLR-222
Tsurkan, Mikhail	Metal-peptide Nanoassemblies	Poster	Metal transport and Metalloregulation	1-HUSS-30
Uchida, Takeshi	CO-dependent Activity Controlling Mechanism of NPAS2 Revealed by Resonance Raman Spectroscopy	Poster	Heme proteins	2-BLR-163
Uchida, Yoshiko	UV Resonance Raman Spectroscopic Studies of Metal Ion Assisted Activation Mechanism of Human Hematopoietic Prostaglandin D2 Synthase	Poster	Medicinal Bioinorganic	1-HEND-264
Ueki, Tatsuya	Study on Vanadium-Binding Proteins of an ascidian Ascidia sydneiensis samea	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-96
Ukaegbu, Uchechi	Characterization of the methane monooxygenase (MMO) regulatory proteins, mmoS and mmoQ, from Methylococcus capsulatus (Bath)	Poster	Metal transport and Metalloregulation	1-HUSS-33
Ullmann, G.Matthias	A comparative structure-based analysis of the pH-dependent reduction potentials of Rieske iron-sulfur proteins	Poster	Iron-sulfur	2-HEND-263
Uppal, Ritika	Metal-binding biomolecules from Ascidians: Isolation and Modeling	Poster	Metal transport and Metalloregulation	1-HUSS-27
Utschig, Lisa	High-Frequency EPR and ENDOR of Protein-Cofactor Sites Involved in Photosynthetic Electron Transfer	Poster	Biological Electron Transfer	1-KOESS-306
Vacca, Lea	Relating Structure and Function in Two Homologous Cytochromes c	Poster	Heme proteins	2-BLR-192
Vachet, Richard	Using Mass Spectrometry to Study Copper-Protein Interactions: The Case of Beta-2-Microglobulin	Poster	Copper	2-BLR-149
Vaillancourt, Frederic H.	A novel non-heme Fe(II) alpha-ketoglutarate-dependent chlorinating enzyme in syringomycin E biosynthesis	Oral	Non-heme Iron Centers	Tuesday 10:35 (MLB-3)
Vajda, Peter	Thermodynamic Evalution of the bis(mu-oxo)/mu-eta-2:eta-2-peroxo Equilibrium	Poster	Copper	2-VBG-133
Valentine, Joan	What Makes ALS-Mutant Copper-Zinc Superoxide Dismutase Toxic?	Oral	Metal Ions, Oxidative Stress, and Disease	Wednesday 11:45 (Rackham)
van den Berg, Tieme	Enhanced DNA double strand cleavage with non-heme iron complexes	Poster	Metals/Nucleic acids	2-HUSS-10
van Haaster, Daan	Biological Hydrogen Activation is Cooperative: one H2 activates the dinuclear center and a second H2 is reduced	Poster	Nitrogenase/Hydrogenase	2-MICH-61

Name	Title	Type	Session	Time
Van Heuvelen, Katherine	Spectroscopic and Computation Studies of Ni-Containing Enzymes: Application to Acetyl-CoA Synthase/Carbon Monoxide Dehydrogenase and Methyl-Coenzyme M Reductase	Poster	Nickel	2-BLR-245
Varotsis, Costas	Probing the Q-Proton Pathway of ba3- Cytochrome c Oxidase by Time-Resolved Fourier Transform Infrared Spectroscopy	Poster	Heme proteins	2-BLR-161
Vasak, Milan	Zinc in the brain: unravelling the role of Zn-metallothionein-3	Oral	Zinc in Biology	Thursday 14:40 (MLB-4)
Vijayendran Koombil Kummaya, Praneeth	Spectroscopic Properties and Electronic Structures of Thiolate Coordinated Iron-Porphyrin NO Adducts	Poster	Heme proteins	2-BLR-182
Vila, Alejandro Jose	Diversity, evolution and mechanism of zinc beta-lactamases	Oral	Zinc in Biology	Thursday 14:05 (MLB-4)
Vincent, John	The Time-dependent Transport of Chromium in Adult Rats from the Bloodstream to the Urine	Poster	Metal sensors	1-BLR-142
Volkers, Phillip	Hydrogenase Models in a Proteic Environment	Poster	Nitrogenase/Hydrogenase	2-MICH-53
Wan, Jason	Structural and Biochemical Characterization of TRAF2, a TNF-Receptor-Associated Factor Protein	Poster	Zinc	2-HEND-277
Wang, Jun	Heme/Non-heme Diiron Models for the Active Site of Nitric Oxide Reductases	Poster	Ligands and Complexes	1-MICH-59
Wang, Ningyan	Design and Engineering of Heteronuclear Metal Binding Sites in Heme Proteins	Poster	Metalloprotein design	2-KOESS-307
Wang, Sheila	Investigating Escherichia coli NikR's second metal-binding site	Poster	Nickel	2-MICH-85
Wang, Shenlin	An atomic-level investigation of the disease-causing A629P mutant of the Menkes protein, ATP7A	Poster	Copper	2-VBG-135
Wang, Zhihong	Identification of Mitochondrial Proteins Involved in the Function of Respiratory Complexes in Saccharomyces cerevisiae	Poster	Heme proteins	2-BLR-205
Wardrope, Caroline	Biocatalysis of fumarate derivatives by Flavocytochrome c3	Poster	Heme proteins	2-BLR-171
Warncke, Kurt	Structure and Dynamics in B12-Dependent Enzyme Catalysis	Oral	B12 Enzymes	Thursday 11:45 (Rackham)
Warren, Timothy H.	Activation of Nitric Oxide and Organonitroso Compounds (X-NO) at Low-Coordinate Co, Ni, and Cu Centers	Poster	Activation	1-CON-D-322
Waskell, Lucy	The Interaction of Cytochrome P450 2B4 with its Redox Partners	Poster	Heme proteins	2-BLR-230
Watanabe, Yoshihito	Coordinated Design of Cofactor and Active Site Structures in Development of New Protein Catalysts	Poster	Metalloprotein design	2-KOESS-298
Watson, Richard	Effect of Metal Ion Incorporation on the Properties of Peptide Nucleic Acid Duplexes	Poster	Metals/Nucleic acids	2-HUSS-31
Wedd, Anthony	The CopC Protein from Pseudomonas syringae: Intermolecular Transfer of Copper Occurs from Both the Copper(I) and Copper(II) Sites	Oral	Metal Ion Trafficking and Homeostasis	Thursday 11:10 (MLB-3)
Weeks, Colin	Raman Spectroscopic Studies of Cystathionine beta-Synthase	Poster	Heme proteins	2-BLR-191
Welch, Michael	Radioactive Metal Complexes as Agents for Positron Emission Tomography	Oral	Imaging	Monday 11:45 (Rackham)
Whan, Renee	Biological Chemistry of Platinum-Anthraquinone Complexes	Poster	Medicinal Bioinorganic	1-HEND-283
Wheeler, Korin	Dynamics and electron transfer between hemoglobin and cytochrome b5	Poster	Heme proteins	2-BLR-196
Wieghardt, Karl	The Electronic Structure of Complexes with Coordinated Organic Radicals	Oral	Radical Metalloenzymes and Models	Thursday 14:05 (Rackham)
Wikstrom, Marten	Gating of water and proton transfer in the respiratory enzyme	Oral	Bioenergetics Enzymes	Monday 15:15 (MLB-4)
Wilcox, Dean	Thermodynamics of Metal-Protein Interactions	Poster	Physical Methods	1-CON-D-332

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Williams, Antonio	Synthesis and Electronic Structure Studies of Tp*MoO(bds) 'benzene diselenolate' Relevant to the Sulfite Oxidase Active Site	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-110
Williams, Katie	(delta)-Orn-Linked Cu(II)- or Ni(II)-Gly-Gly-His-Like 'Tandem-Array' Metal Binding Oligopeptides	Poster	Metalloprotein design	2-KOESS-310
Wilmot, Carrie	MauG, a novel diheme protein required for tryptophan tryptophylquinone biosynthesis in methylamine dehydrogenase	Poster	Heme proteins	2-BLR-153
Winge, Dennis	Compartmentalization of copper used in assembly of cytochrome c oxidase within the mitochondrion	Oral	Metal Cofactor Biosynthesis and Assembly	Tuesday 10:35 (MBL-4)
Wyllie, Graeme	Transient Absorbance Spectroscopy Studies of XO Ligand Rebinding for the Heme Based Oxygen Sensor SmFixL	Poster	Heme proteins	2-BLR-169
Xiao, Yuming	Nuclear Resonant Vibrational Spectroscopy of Pyrococcus furiosus Rubredoxin and Ferredoxin	Poster	Physical Methods	1-CON-D-330
Xiong, Peng	Mechanism of Iron Release from the Ferric Binding Protein of Neisseria gonorrhoeae	Poster	Non-heme iron and oxygen activation	1-BLR-201
Yamauchi, Osamu	Close Cu(II)-Methyl Contact in Planar Complexes with a Pendent Alkyl Group. Implication for the Leucine Residue at the Cu Site	Poster	Copper	2-VBG-122
Yamazaki, Ryosuke	Investigating the Copper Transfer Mechanism between CCS and SOD1: Biophysical Studies on the SOD1-CCS Interaction	Poster	Copper	2-VBG-129
Yan, Shiping	A Novel Antidiabetic Agent: [N,N'-bis(4-hydroxysalicylidene)-o-phenylene-diamine]oxovanadium(IV)	Poster	Medicinal Bioinorganic	1-HEND-260
Yang, Hung-CHi	Novel pathways of arsenic detoxification of the legume symbiont Sinorhizobium meliloti	Poster	Metal transport and Metalloregulation	1-HUSS-5
Yang, Jian	In vivo States of the Iron Sulfur Cluster of Pyruvate Formate-Lyase-Activating Enzyme	Poster	Radicals and B12	2-CON-D-335
Yang, Lei	Progress Towards Model Complexes of the Cuz Center from Nitrous Oxide Reductase	Poster	Copper	2-VBG-134
Yang, Meng-Yin	The Catalytic Cleavage of RNA Models by a Dinuclear Zn(II) Complex	Poster	Zinc	2-HEND-274
Yang, Tran-Chin	EPR and 19F-ENDOR of 5,5-difluorocamphor bound in cytochrome p450cam enzymatic intermediates	Poster	Heme proteins	2-BLR-216
Yano, Junko	Single Crystal X-ray Spectroscopy of the Mn4Ca Cluster of the Photosynthetic Water-Oxidation Enzyme	Poster	Manganese and photosynthesis	1-BLR-252
Yatsunyk, Liliya	Copper(I) binding and transfer by the N-terminus of the Wilson disease protein	Poster	Copper	2-VBG-121
Ye, Jun	1H, 13C and 15N resonance assignments for the symmetric homodimer ArsD	Poster	Metal transport and Metalloregulation	1-HUSS-29
Ye, Shengfa	Switch of Spin Combinations through Weak Cu(II)-S Interaction Related to Type 1 Copper Proteins	Poster	Copper	2-VBG-131
Yocum, Charles	Probing the Reactivity of the Photosystem II Manganese Cluster	Poster	Manganese and photosynthesis	1-BLR-242
Yokoyama, Keiko	Preparation of a Novel Modified Electrode with a Complex Containing Phenanthroline Quinone for Electrocatalytic Oxidation of NADH	Poster	Physical Methods	1-CON-D-326
Yoon, Jungjoo	Spectroscopic Investigation of Tris-Hydroxo and mu3-oxo Bridged Trimeric Cu(II) Complexes: Geometric and Electronic Structures of the Native Intermediate of the Multicopper Oxidases	Poster	Copper	2-BLR-144
York, John	Synthesis, Characterization, and Reactivity of Heterobimetallic Copper-Metal Oxo Intermediates	Poster	Copper	2-VBG-108
Yoshimura, Hideaki	The Specific Sensing of O2 by the Oxygen Sensor Protein HemAT	Poster	Metal sensors	1-BLR-140

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Yoshinaga, Masafumi	Glutathione S-Transferase Having Vanadium-Binding Activity Isolated form a Vanadium-Accumulating Ascidian, Ascidia sydneiensis samea	Poster	Vanadium, Chromium, Tungsten, Molybenum	1-VBG-102
Yoshioka, Shiro	Unique Structural Properties of a Chemotaxis Signal Transducer Protein DcrA Containing a C-Type Heme	Poster	Heme proteins	2-BLR-170
Yoshizawa, Kazunari	A New Mechanism for the Function of Heme Oxygenase	Oral	Heme Enzymes and Oxygen Activation	Thursday 11:10 (Mendelsohn)
Zadvorny, Oleg	Immobilization of active hydrogenase enzymes by encapsulation in polymeric porous gels.	Poster	Nitrogenase/Hydrogenase	2-MICH-68
Zahler, Nathan	Proteome-Wide Identification of Metalloproteins in Saccharomyces cerevisiae	Poster	Metal transport and Metalloregulation	1-HUSS-38
Zaleski, Curtis	Probing the S0 State of Photsystem II with Isoelectrostatic Mixed-Valent Tetrameric Manganese Complexes	Poster	Manganese and photosynthesis	1-BLR-243
Zamble, Deborah	The Metal-Selective Response of the Escherichia coli Nickel Metalloregulator NikR	Oral	Metalloregulation	Monday 15:50 (Mendelsohn)
Zatsman, Anna	Mechanistic Studies of Substrate Oxidation by Multiheme Enzyme Hydroxylamine Oxidoreductase from Nitrosomonas europaea using Rapid Freeze Quench EPR Spectroscopy	Poster	Heme proteins	2-BLR-200
Zhang, Jie Wei	Metal Binding and PPIase Activities of SlyD Are Essential for the Biosynthesis of Hydrogenase in Escherichia coli	Poster	Nitrogenase/Hydrogenase	2-MICH-50
Zhang, Li	Biomimetic Synthesis of Silver Nanoparticles	Poster	Ligands and Complexes	1-MICH-76
Zhang, Limei	Structures of Metal Centers in the Copper Chapperones of Cytochrome Oxidase Assembly	Poster	Copper	2-BLR-143
Zhang, Yingkai	Density Functional Theory QM/MM Studies of Mononuclear Non-heme Iron(II) Enzymes	Poster	Non-heme iron and oxygen activation	1-BLR-198
Zhao, Guanghua	l-1, 2-Peroxo Diferric Complex Formation in Horse Spleen Ferritin. A Mixed H/L-Subunit Heteropolymer*	Poster	Non-heme iron and oxygen activation	1-BLR-167
Zhao, Xuan	Roles of Copper, Proton, Chlorides and Heme Types in Heme-coppper Oxidases: Kinetic and Electrochemical Studies of an Engineered Heme-Copper Center in Myoglobin	Poster	Metalloprotein design	2-KOESS-306
Zhou, Yao	Pentostam activation and uptake in Leishmania major: Role of the Sb(V) reductase LmAcr2 and the aquaglyceroporin LmAqp1.	Poster	Metal transport and Metalloregulation	1-HUSS-21
Zilbermann, Israel	ATP as a stabilizing ligand for high valent nickel complexes	Poster	Metals/Nucleic acids	2-HUSS-36