

Adams, Paul		
Investigation of C282Y Homozygotes for hemochromatosis with a normal transferrin saturation and elevated serum ferritin		123
Alborzina, Hamed		
The role of golgi in iron-mediated cell death		124
Ameri Sefideh, Fatemeh		
Ferritin: A new player in ferroptosis in neurodegenerative diseases?		125
An, Peng		
Smad7 deficiency decreases iron and hemoglobin through hepcidin up-regulation by multilayer compensatory mechanisms		126
Anderson, Greg	Presenter: Lu, Yan	
Mice overexpressing hepcidin show differential iron and manganese distribution		127
Antosiewicz, Jędrzej	Presenter: Borkowska, Andzelika	
Impaired insulin signalling leads to intracellular iron accumulation-role of Akt/FOXO3a		128
Arafsha, Sarah		
Liberation of iron from wheat flours following in vitro digestion		129
Armitage, Andrew E.		
Hepcidin regulation in infancy: Rapid growth dominantly predicts hepcidin suppression and iron stores depletion in Gambian infants		130
Arsiwala, Tasneem		
Cellular distribution and uptake of iron nanoparticles assessed at an early time point		131
Aslam, Mohamad F		
The effect of hydrothermal processing on iron availability from wheat flour		132
Asperti, Michela		
Factors that affect RSL3-induced Ferroptosis in suppressing hepatocellular carcinoma cells		133

Aytah, Layal	Presenter: Mursaleen, Leah	
A novel nanocarrier antioxidant delivery system to counter iron induced skin cellular oxidative stress		134
Ayton, Scott		
Brain iron is associated with accelerated cognitive decline in people with Alzheimer pathology		135
Balušíková, Kamila		
Duodenal gene expression of ZIP14 in patients with iron deficiency and overload		136
Bardou-Jacquet, Edouard		
Iron metabolism imbalance at the time of listing increases overall and infectious mortality after liver transplantation		137
Bardou-Jacquet, Edouard		
Higher spleen iron content estimated by MRI T2* signal is associated with lower insulin-resistance in patients with dysmetabolic iron overload syndrome		138
Bartnikas, Thomas		
Gastrointestinal iron excretion and reversal of iron excess in a mouse model of inherited iron excess		139
Baumgartner, Jeannine		
Iron deficiency induces a pro-inflammatory lipid-mediator profile in rat hippocampus that cannot be resolved during concomitant n-3 fatty acid deficiency		140
Bednarz, Aleksandra		
The role of kidneys in iron metabolism of HO1 knockout (Hmox1-/-) mouse neonates		141
Beiki, Dana		
Improving the effectiveness of aminolevulinic acid-based photodynamic therapy (ALA-PDT) of skin cells with ultraviolet A-induced labile iron release		142
Belvin, Benjamin		
HcpR: A heme-based sensor of the nitrosative stress response in Porphyromonas gingivalis		143

Bertino, Francesca		
Heme and sensory neuropathy: Insights from novel mutations in the heme exporter FLVCR1		144
Bignell, Patricia		
Novel hamp gene deletion and 6 other cnvs in genes associated with iron homeostasis		145
Bignell, Patricia		
10 novel variants detected in our patient cohort screened for type 4 haemochromatosis		146
Bignell, Patricia		
TFR2-related hereditary hemochromatosis		147
Bignell, Patricia		
Why have one iron disorder, when you can have two		148
Blesia, Voni	Presenter: Mursaleen, Leah	
Excessive iron accumulation induces MIN6 β-cell oxidative stress and consequent mitochondrial dysfunctions and insulin secretory dysregulation		149
Bordini, Jessica		
Iron as a tool to alter cell oxidative status in B-cells malignancies		150
Borges, Marina	Presenter: Fertrin, Kleber	
Aceruloplasminemia and paroxysmal nocturnal hemoglobinuria uncover differences in lymphocyte and monocyte expressions of ceruloplasmin and ferroportin		151
Boz, Cecilia		
Developing a smart-fluorophore able to stratify Idiopathic Pulmonary Fibrosis patients' progression based on iron metabolism of alveolar macrophages		152
Brar, Komal		
Iron supplementation increases erythropoiesis at the physiologic hemoglobin nadir in preweanling mice		153

Brilli, Elisa	
Sucrosomial® Iron cellular uptake involves endocytosis-mediated route	154
Brooks, Samira	
Linking kidney iron overload in African American renal cancer patients with the SCL40A1 (Ferroportin 1) Q248H mutation	155
Buerkli, Simone	
Iron status and the prevalence of anemia among Taiwanese women with common variants of the TMPRSS6 rs855791: A cross-sectional study	156
Bundi, Caroline	
Effect of iron deficiency on natural immunity to malaria and malaria vaccine responses in children	157
Busti, Fabiana	
Multifactorial hepcidin suppression in beta-thalassemia carriers with iron overload	158
Cabolis, Katerina	
Iron deficiency alters expression of synaptic markers in the mouse substantia nigra	159
Cabra, Romina	
Iron transport in osteoclast lineage cells	160
Cairo, Gaetano	Presenter: Gammella, Elena
Unconventional endocytosis and trafficking of transferrin receptor induced by iron	161
Campioni, Marina	Presenter: Fertrin, Kleber
Higher expression of ferroportin in monocytes from patients with elevated transferrin saturation and hemochromatosis phenotype	162
Castagna, Annalisa	
Ferritin in serum exosomes	163

- Casu, Carla
Beneficial effects of combination therapy with Epo and Tmprss6 ASO in non-transfusion dependent β -thalassemia on anemia and splenomegaly 164
- Casu, Carla
A new model of adult β -thalassemia major successfully treated with a minihepcidin peptide 165
- Celma, Ferran
L-Ferritin: One gene, five diseases; from hereditary hyperferritinemia to hypoferritinemia — report of new cases 166
- Cervilla-Muñoz, Eva
 Presenter: Del Castillo-Rueda, Alejandro
Iron status in patients admitted to the internal medicine unit. Impact of inflammation and infection 167
- Charlebois, Edouard
Hepatocellular heme oxygenase 1 deficiency does not affect inflammatory hepcidin regulation in mice 168
- Chen, Chih-Lung
Preclinical safety profile and FGF-23 regulation on phosphate homeostasis of IOP injection in iron deficiency anemia animal model 169
- Chen, Huijun
Ablation of hephaestin and ceruloplasmin results in iron accumulation in exocrine pancreas and adipocytes and type 2 diabetes 170
- Chuljerm, Hataichanok
Characterization and biological investigations of a siderophore from bacillus megaterium: The relevance to iron overload 171
- Chung, Bomee
Decrease in hepcidin expression causes cardiac iron deficiency in chronic heart failure 172

Cicccone, Nick		
Activated vitamin D receptor (VDR) represses basal and BMP6 activation of hepatocyte Hamp through inhibition of SMAD1/5/8 activity		173
Citelli, Marta		
Determinants of serum hepcidin in sickle cell anemia patients		174
Colucci, Silvia		
TGFβ regulates BMP2 in liver sinusoidal endothelial cells: A possible link between chronic liver disease and iron overload		175
Daher, Raêd		
Functional evaluation of new BMP6 variants identified in suspected hemochromatosis patients		176
Danilowicz-Szymanowicz, Ludmila	Presenter: Sikorska, Katarzyna	
Two-dimensional speckle tracking echocardiography is a useful method for the left ventricular assessment in the patients with HFE-hemochromatosis		177
de Bie, Eckart M.		
Evaluation of Next Generation Sequencing (NGS) for patients suspected for hereditary hemochromatosis in a tertiary diagnostic referral center		178
De, Ranita		
Iron status influences platelet count in voluntary blood donors		179
De, Ranita		
Investigating the role of iron in megakaryopoiesis through an in vitro model		180
Denardo, Andrea		
Heparan sulfate binds to BMP6 and BMP receptors acting as co-receptor in hepcidin pathway		181
Díaz Romero, Miguel	Presenter: Pannia Espósito, Breno	
Effect of the chemical speciation of iron on the growth of Symbiodinium sp. (Dinophyceae)		182

Dichtl, Stefanie	Presenter: Hoffmann, Alexander	
Dopamin is a siderophor-like iron chelator that promotes salmonella enterica serovar typhimurium virulence in mice		183
Diepeveen, Laura		
Metrological traceability chain of hepcidin		184
Ding, Huangeng		
Iron homeostasis and iron-sulfur cluster biogenesis		185
Dogan, Deniz Yildirim		
The wash-out effect of ferric carboxymaltose by peri-operative cell salvage. A pilot study in porcine blood		186
Dunaief, Joshua	Presenter: Baumann, Bailey	
Inflammation triggers a potentially toxic cellular iron sequestration response in the retina		187
Engelke, Anna Dorothee		
FeS cluster stability and functionality of mammalian mitochondrial FeS-Glutaredoxins		188
Enns, Caroline		
The effect of transferrin receptor-2 (TfR2) on hepcidin-regulated iron homeostasis		189
Evans, Robert		
Therapeutic recommendations in HFE Haemochromatosis for p.Cys282Tyr (C282Y/C282Y) homozygous genotype: A collaborative awareness strategy		190
Ferreira, Joana	Presenter: Porto, Graça	
Dating the origins of hemochromatosis with ancient and modern DNA		191
Ferreira, Joana	Presenter: Faustino, Paula	
The role of iron related gene variants in liver disease severity and iron metabolism parameters in chronic hepatitis C patients treated with direct-acting antivirals		192
Fischer, Roland	Presenter: Starekova, Jitka	
Iron distribution in transfused patients with MDS		193

Flindt, Naomi		
Portable X-ray fluorescence for quantitative elemental analysis in biological samples		194
Flores, Shireen		
Iron homeostasis is differentially influenced by DSS-induced colitis in WT versus hepcidin KO rats		195
Fradette, Caroline		
Long-term safety and efficacy of deferiprone in patients with pantothenate kinase-associated neurodegeneration (PKAN)		196
Frazer, David		
Are the current recommended dietary intakes for iron encouraging iron deficiency?		197
Fritsch, Nicole		
A new IRIDA subtype caused by mutations in the gene of transferrin receptor 1		198
Fujiwara, Tohru		
Epidemiology and molecular characterization of congenital sideroblastic anemia		199
Fuqua, Brie		
Identification of novel loci associated with anemia and liver copper levels in dietary iron loaded mice		200
Galy, Bruno		
Control of systemic iron metabolism by the iron-responsive element of divalent metal transporter 1		201
Galy, Bruno	Presenter: Ferring-Appel, Dunja; Gupta, Sanjay	
A multiomics approach to define the regulome of iron regulatory proteins		202
Garcia Rios, Alejandro	Presenter: Pannia Espósito, Breno	
Improving methods for the extraction of siderophores from marine sponges		203

Garrick, Michael		
Divalent metal ion transporter (DMT1) versus hinokitiol as iron importers		204
Giordano, Giulio		
Different iron formulation support shows different demethylation patterns and bone marrow macrophages polarization in low risk myelodysplastic syndromes (LRMDS)		205
Giordano, Giulio		
Iron support enhances erythropoietin effectiveness in refractory anemia with high reticulocyte count, transferrin saturation below 30% and high level of eryptosis		206
Giordano, Giulio		
Vitamin d support improves sucrosomial iron absorption in vitamin d and iron deficient patients. Monocentric prospective randomized study		207
Giordano, Giulio		
Effects of different iron formulation support on selection of some pathogens in human gut flora: Monocentric study		208
Gozzelino, Raffaella	Presenter: Pêgo, Ana Catarina	
Changes in erythropoiesis in malaria-induced anemia		209
Gozzelino, Raffaella	Presenter: Martins, Ana Catarina	
Inflammation-driven disruption of iron homeostasis in Parkinson's disease		210
Hamdi, Amel		
Iron transport to ferrochelatase in erythroid cells: New insights into the kiss and run mechanism		211
Han, Huiling		
A polyclonal sandwich ELISA for mouse erythroferrone		212
Harris, Shelby		
Iron regulation in healthy and osteoarthritic chondrocytes		213

Hasty, Alyssa	
Impact of macrophage iron metabolism on adipose tissue physiology	214
Herkert, Matthias	
High sensitivity Salivary Hepcidin-25 ELISA: A unique, high-sensitive competitive Elisa for the quantification of Hepcidin-25 in human saliva	215
Hirsch, Valentin G.	
Cardiac iron concentration and its relation to systemic iron status and disease severity in patients with dilated cardiomyopathy	216
Horvat, Natalie	
Polarization of TAMs to a pro-inflammatory phenotype by SPIONs as an adjuvant lung cancer therapy	217
Hsu, Myriam	
Altered iron metabolism is found in several types of skeletal muscle atrophy	218
Infanti, Laura	
Reactive iron species in asymptomatic subjects with HFE mutations	219
Jacob, Molly	
Increased intracellular iron levels in mouse hepatocytes produced dual effects on insulin sensitivity	220
Jain, Anshika	
Characterizing the Fe-S cluster transfer mechanism to NFU1 and other recipient proteins	221
Jedruszewska, Gabriela	Presenter: Jedruszewska, Gabriela; Mleczko-Sanecka, Katarzyna
Communication with iron-loaded hepatocytes rather than intrinsic iron accumulation regulates LSEC Bmp6 mRNA expression	222

Jeroense, Frederike		
Consumption of galacto-oligosaccharides increases iron absorption from ferrous fumarate: a stable iron isotope study in iron-depleted young women		223
Ji, Peng		
Early-life iron excess causes iron overload and enhances purine degradation via activation of xanthine oxidase in developing hippocampus in a nursing piglet model		224
Jonczy, Aneta		
Decreased hephaestin level impairs iron transport in the duodenum of anemic piglets		225
Kang, Sang Soo		
Anti-cancer effects of iron containing multi-mineral compound on human ovarian cancer SK-OV3 cells		226
Karmi, Ola		
NAF-1 role in iron and ROS homeostasis; WFS-T2 as an example		227
Kaushik, Sandeep Rai		
Iron chelation and NRAMP1 provides nutritional immunity against Mycobacterium infection		228
Kenawi, Moussa		
Imbalance between hepatocyte and macrophage iron distribution confirms the singularity of aceruloplasminemia in a new knockout rat model		229
Khoja, Kholoud K.		
Iron availability from microgreen vegetables		230
Kidman, Clinton		
Utilising infrared microscopy for determining lipid concentration in iron-loaded hepatocytes		231
Kidman, Clinton		
Iron-mediated dysregulation of hepatic lipid metabolism		232
Kim, Yunsung	Presenter: Connor, James	
H63D HFE protects cells from a-synuclein mediated toxicity		233

Koh, Mei	
Iron accumulation is associated with kidney cancer progression and treatment response	234
Koonyosying, Pimpisid	
Production of thai iron (Sinlek) rice drink for improvement of iron-deficiency anemia	235
Kose, Tugba	
Protective function of Ferulic acid against iron overload in mice	236
Krijt, Jan	
The enigma of hepcidin downregulation	237
La, Ping	
An orchestrated balance between mitochondria biogenesis, iron-sulfur cluster synthesis and cellular iron acquisition	238
Lal, Ashutosh	
Variability between different ferritin assay methods and clinical implications for iron disorders	239
Latunde-Dada, Yemisi	
Absorption of haem iron in Caco-2 cells	240
Leaf, David	
Iron, hepcidin, and death in human acute kidney injury	241
Ledesma-Colunga, Maria G.	
Hepcidin-resistant ferroportin mutation is associated with low bone mass in mice	242
Lee, Sang	
The relationship between sex and expression level of iron related genes on the survival of GBM patients	243
Lefebvre, Thibaud	
Hepcidin regulation and iron disorders in obesity: Lesson from mouse models	244

Lefebvre, Thibaud		
Hepcidin and iron deficiency recovery in sleeve postoperative women, a prospective controlled cohort study		245
Lei, Peng		
ACSL4 mediates ferroptotic neuronal death after ischemia/reperfusion		246
Leopold, Kerstin		
Total refection X-ray fluorescence spectrometry for fast and straightforward determination of intracellular iron traces		247
Lewis, Janina		
Targeting iron metabolism to eliminate anaerobic pathogens		248
Li, Jin		
Protective role of Ferritin-H in mitochondria of pancreatic β cells		249
Li, Kuanyu		
Iron regulatory protein 2 modulates the switch from aerobic glycolysis to oxidative phosphorylation in mouse embryonic fibroblasts		250
Li, Xiuqi		
NCOA4 mediates mobilization of hepatic iron stores after blood loss		251
Li, Zhong-da	Presenter: Li, Zhong-da; Chang, Yan-Zhong	
The affects of ceruloplasmin knockout in astrocytes on cognitive function		252
Liang, Yi	Presenter: Chen, Jie; Liang, Yi	
Iron enhances the formation of liquid and hydrogel phases of human Tau and thereby increases Tau ferroptosis		253
Lill, Roland		
The antiviral [4Fe-4S] protein Viperin - an unexpected killer of mitochondrial transcription		254

Lindahl, Paul		
Chromatographic characterization of low-molecular-mass iron in blood plasma		255
Link, Camille		
Molecular mechanisms of Heparin-induced Ferroportin-downregulation		256
Lira Zidanes, Acaynne		
Application of next generation sequencing for the molecular diagnosis of rare genetic disorders of iron metabolism		257
Liu, Qingli	Presenter: Knutson, Mitchell	
Liver-specific inactivation of ZIP14 reveals the extrahepatic hierarchy of tissue iron accumulation in iron overload		258
Liu, Yu-Qian		
Effects of aerobic exercise intervention on-line on the iron status and oxidative stress of prediabetes patients		259
Liu, Yutong		
SS-31 treatment improves the symptoms of Friedreich ataxia in a mouse model by upregulation of frataxin expression		260
López-Aparicio, Ana	Presenter: Del Castillo-Rueda, Alejandro	
Non-HFE mutations in patients with hemochromatosis		261
Loréal, Olivier		
The liver and spleen iron phenotypes in hereditary aceruloplasminemia: A paradigm for a better understanding of iron metabolism		262
Ly, Seak Lin		
Co-expression relationships between transferrin and other iron-related or myelin-related genes revealed by weighted gene co-expression network analysis of human brain transcriptomic data		263
Mahoney Sanchez, Laura		
Characterising the role of alpha-synuclein in Ferroptosis in the context of Parkinson's disease		264

Mamotte, Cyril DS	Presenter: Graham, Ross M.	
Plasma fat profiling in iron-loaded fatty liver disease patients		265
Marchi, Giacomo		
A proposal of an algorithm for the diagnosis of type 1 Gaucher disease starting from hyperferritinemia in adults		266
Marques, Oriana		
Activation of the NFkB non-canonical pathway is important for TLR2-mediated Ferroportin downregulation		267
Mazgaj, Rafal		
Effect of orally administered sucrosomial iron and iron sulphate on sows during gestation on maternal iron status and piglets outcome		268
Mazhar, Maryam		
Iron deficiency modulates immune function- macrophages and iNOS expression in spleen		269
McLachlan, Stela		
Phenotype imputation method correctly identifies known genes associated with iron homeostasis		270
McLaren, Gordon		
Increased frequency of GNPAT p.D519G in HFE p.C282Y homozygous women with severe iron phenotypes		271
Mendes, Pedro		
Bistability in ferroptosis leads to an irreversible switch		272
Meynard, Delphine	Presenter: Belot, Audrey	
An essential role for the Bmp-Smad pathway and Hur in hepcidin induction during ER stress and NAFLD		273
Meyron-Holtz, Esther G.		
Mimicking iron homeostasis of inflammatory bowel diseases in a three dimensional gut platform developed from human cell-lines		274
Mezzanotte, Mariarosa		
Analysis of NCOA4/Tfr2 as PB markers of iron increase during ageing		275

Mikulic, Nadja	
The effect of dosing regimen on iron absorption with micronutrient powders in Kenyan infants	276
Min, Junxia	
Elucidating mechanisms of ferroptosis in liver and heart diseases	277
Missirlis, Fanis	
Differential cellular responses along the Drosophila intestinal tract to dietary iron deficiency	278
Moir-Meyer, Gemma	
Characterising erythroferrone in an immortalised human erythroid cell line	279
Moris, Wenke	Presenter: van Deursen, Cees
Erythrocytapheresis in aceruloplasminemia prevents progression of cerebral iron accumulation after chelator-induced normalization of iron stores	280
Muriuki, John	
Estimating the hidden burden of iron deficiency in African children	281
Muriuki, John	
The genetics of iron status among African children	282
Mursaleen, Leah	
A potential neuroprotective approach for Parkinson's disease using novel micellar nanocarriers to co-deliver deferoxamine and curcumin	283
Nai, Antonella	
Erythroid Nuclear Receptor Coactivator 4 is dispensable for erythropoiesis in iron replete mice	284
Nairz, Manfred	
Cell specific expression of Hfe determines the outcome of salmonella enterica serovar typhimurium infection in mice	285

Nesterova, Darya		
HFE expression alters survival in Glioblastoma in a sex-specific manner		286
Nunez, Marco-Tulio		
Multifunctional chelators as therapeutic agents for the treatment of neurodegenerative diseases		287
Nyffenegger, Naja		
Ferroportin inhibitor improves erythropoiesis and myelopoiesis in a mouse model of beta-thalassemia		288
Ojong, Jessica		
Iron-driven host-microbiota coadaptation: An influencer during Mycobacterium tuberculosis infection?		289
Olivari, Violante		
Targeting Transferrin Receptor 2 to ameliorate anemia of Chronic Kidney Disease		290
Olivera, Joseph		
In vivo pancreatic β cell-specific overexpression of ZIP14 results in β-cell iron accumulation and diabetes in iron-loaded mice		291
Palsa, Kondaiah		
Zinc induces intestinal iron absorption by DMT1 mRNA stabilization via Pi3K/IRP2 dependent mechanism		292
Pan, Xiaohan		
Beige adipocyte hypoxia activates TfRc-mediated iron absorption and thermogenesis		293
Pantopoulos, Kostas		
Transferrin receptor 1 controls systemic iron homeostasis by fine-tuning hepcidin expression to hepatocellular iron load		294
Pantopoulos, Kostas	Presenter: Allameh, Abdolamir	
Hemojuvelin deficiency predisposes mice to hepatocellular cancer		295

Parrow, Nermi	
Effect of Exogenous Erythropoietin on Hematological Parameters in Transferrin Receptor 2 Mutant Mice	296
Patino, Edwin	Presenter: Akchurin, Oleh
Correction of renal anemia with iron therapy in experimental juvenile chronic kidney disease: Effects on bone health	297
Pettinato, Mariateresa	
Targeting the BMP-SMAD pathway inhibitor FKBP12 to restore hepcidin expression in Hereditary Hemochromatosis mouse models	298
Petzer, Verena	
Constant Recruitment of Monocytes for Erythroid Niche Formation in the Bone Marrow Is Critical for Efficient Erythroid Output	299
Pischwejc, Tina	
Iron nanoparticles to treat iron deficiency anemia: Effect of albumin and plasma protein corona on labile iron generation at therapeutically active concentrations at the higher end of the recommended dosage range	300
Poli, Maura	
Effect of Sucrosomial® iron and Ferrous Sulfate in IRIDA mouse model	301
Poli, Maura	
Study of the effect of Didox, a ribonucleotide reductase inhibitor with iron chelator properties, on the proliferation of tumor cell lines	302
Porporato, Paolo	
Dysregulated iron metabolism promotes cancer cachexia	303
Pourzand, Charareh	
The levels of mitochondrial labile iron in Friedreich's ataxia skin fibroblasts correlates with their enhanced susceptibility to ultraviolet a component of sunlight	304

Pourzand, Charareh		
Mitochondria-targeted iron chelators for the therapy of Parkinson's disease		305
Pourzand, Charareh		
The cytoprotective potential of novel mitochondria-targeted iron chelators against hydrogen peroxide-mediated toxicity in friedreich's ataxia fibroblasts		306
Powers, Jacquelyn		
Patient Reported Outcomes in Children with Iron Deficiency Anemia		307
Preston, Alexandra E.		
How does iron deficiency protect against malaria?		308
Prince, Dianne		
The value of patient alliances to clinicians, researchers and industry: Collaborating with Haemochromatosis International and its member organisations		309
Protchenko, Olga		
Dysregulated iron metabolism and increased lipid peroxidation in mice with liver-specific knockout of PCBP1		310
Raimondi, Marzia	Presenter: Santambrogio, Paolo; Broccoli, Vania; Raimondi, Marzia	
iPSCs-LGE derived neurons and –astrocytes from PKAN patients provide the appropriate in vitro model of this disorder		311
Ramasamy, Jagadish		
Dysregulated iron homeostasis in patients with ulcerative colitis		312
Ramm, Grant		
Validation study of the impact of hepatic iron concentration on the development of advanced hepatic fibrosis in HFE haemochromatosis		313
Ramm, Grant		
Tissue-derived H-Ferritin activates the NLRP3 Inflammasome and IL-1β secretion in hepatic stellate cells via ICAM-1 and GRP78		314

Rangel, Maria		
A new class of Fe-chelates to correct iron deficiency chlorosis in soybean (<i>Glycine max</i> L.)		315
Ravi, Vagisha	Presenter: Connor, James	
H-ferritin expression regulates survival and radiosensitivity in glioma initiating cells		316
Rishi, Gautam		
A novel role for RACK1 in iron homeostasis		317
Robson, Kathryn		
The p.H63D allele of the HFE gene protects against low iron stores in Sri Lankan school children		318
Rodrigues Victor de Carvalho, Rodrigo	Presenter: Pannia Espósito, Breno	
Beneficial effects of desferrioxamine conjugates in targets of iron-dependent neurodegeneration		319
Rolland, Anne-Sophie		
A ferroptosis-based panel of prognostic biomarkers for Amyotrophic Lateral Sclerosis		320
Ruwe, T Alex		
Hepcidin inhibits ferroportin in the <i>Xenopus</i> oocyte expression system via a calcium-dependent mechanism that does not involve endocytosis		321
Sakajiri, Tetsuya		
Zinc-bound ceruloplasmin (Cp) interacts with transferrin (Tf), resulting in safe transfer of Fe(III) from Cp to Tf		322
Saltini, Cesare		
The role of alveolar macrophages in Alpha-1 Antitrypsin (A1AT) deficiency emphysema		323
Santambrogio, Paolo		
Calcium dys-homeostasis combined to iron dys-regulation in iPSC-derived neurons of Pantothenate Kinase-Associated Neurodegeneration patients		324

Santhakumar, Sreenithi		
Molecular characterisation of a case of atransferrinaemia with a novel genetic variant in transferrin gene		325
Santhakumar, Sreenithi		
Alternative splice variants of placental iron traffickers in iron deficiency anemia of pregnancy		326
Santos, Manuela	Presenter: Samba Mondonga, Macha	
Iron supplementation, gut microbiota, and colon carcinogenesis		327
Schaefer, Benedikt		
Reduced serum ceruloplasmin concentration is common in patients with cirrhosis and a MELD independent predictor of liver transplantation or death		328
Scheiber-Mojdehkar, Barbara		
Iron nanoparticles to treat iron deficiency anemia: Detection of lot-to-lot variations of labile iron burden by a high throughput assay		329
Scindia, Yogesh		
Exogenous hepcidin delays the onset and severity of lupus nephritis		330
Shvartsman, Maya		
Iron deficiency disrupts embryonic hematopoiesis but not the endothelial to hematopoietic transition		331
Silva, André		
Characterization of transferrin glycation in type 1 diabetes mellitus		332
Silva, Fredson	Presenter: Pannia Espósito, Breno	
Biological evaluation of phytochelators as potential drugs against iron overload and leishmaniasis		333
Silva, Inês	Presenter: Silva, Inês; Rausch, Vanessa	
IL-1 beta-mediated macrophage-hepatocyte crosstalk upregulates hepcidin under physiologic low oxygen levels		334

Singh, Pratibha		
Dopamine favours heme synthesis by regulating Frataxin in astrocytes		335
So, Po-Wah		
Systemic iron and inflammation increases oxidative stress in C57BL/6J mice		336
Soares, Miguel	Presenter: Ramos, Susana	
Renal control of disease tolerance to malaria		337
Speich, Cornelia		
Quantification of iron absorption and iron loss in Malawian children using an isotopic method based on the dilution of labelled body iron		338
Speich, Cornelia		
Quantification of iron absorption using stable isotopes of iron (⁵⁷Fe, ⁵⁸Fe) in Swiss women before, during and after iron supplementation		339
Srichairatanakool, Somdet		
Effect of Thai Sinlek rice supplementation on red cell indices in elders		340
Stoffel, Nicole		
In women, central obesity predicts higher inflammation, higher serum hepcidin and lower iron absorption		341
Strbak, Oliver	Presenter: Strbak, Oliver; Mihalikova, Martina	
MRI parametric mapping of magnetoferritin as a pathological model system of native ferritin		342
Szudzik, Mateusz		
Iron deficiency anemia (IDA) in young piglets negatively affects growth and development of skeletal muscles		343
Taiarol, Lorenzo	Presenter: Pagani, Alessia	
Investigating the Transferrin receptor 2- Erythropoietin receptor interaction		344

Takeuchi, Lily	
Targeted macromolecular iron chelators for treatment of cardiac iron overload	345
Tanaka, Atsushi	
Mitochondrial dynamics regulates cellular iron homeostasis	346
Tavares, Alvaro	
Ferritin levels may be used to optimize screening for iron overload in patients with hemoglobinopathies in settings with limited access to magnetic resonance	347
Tong, Wing-Hang	
Restriction of Fe-S cluster biogenesis drives a metabolic shift and alters histone modification and protein acetylation	348
Traeger, Lisa	
Serum Hepcidin and GDF-15 levels as prognostic markers in urothelial carcinoma of the upper urinary tract and renal cell carcinoma	349
Truksa, Jaroslav	
Two to tango: Pronounced synergy of chemotherapeutic drugs and mitochondrial iron chelation	350
Urzica, Eugen I.	
Impact of ferroportin depletion on intracellular iron trafficking in <i>Chlamydomonas reinhardtii</i>	351
Van San, Emily	
Therapeutic exploration of ferroptosis inhibition in multiple sclerosis	352
van Swelm, Rachel	
Kidney tubule iron loading in experimental focal segmental glomerulosclerosis	353
van Vuren, Annelies J.	
Striking difference in iron utilization between oral and intravenous iron in various anemias and hemochromatosis related to iron load	354

van Vuren, Annelies J.	
Proton pump inhibition for secondary hemochromatosis in hereditary anemia, a phase III placebo controlled randomized cross-over trial: Rationale and design	355
Varghese, Joe	
Iron homeostasis is dysregulated but the iron-hepcidin axis is intact in chronic liver disease	356
Venturi, Veronica	
CoDysAn: A telemedicine tool to improve awareness and diagnosis for patients with Congenital Dyserythropoietic Anemia	357
Vera-Aviles, Mayra	
Histidine and carnosine reduce iron-induced oxidative stress in mice	358
Viveiros, André	
Hepcidin resistance in ferroportin disease	359
Viveiros, André	
High hit rate for non-HFE mutations through full exome sequencing in patients with hepatic iron overload	360
Viveiros, André	
Iron accumulation leads to increased liver fibrosis in renal transplant recipients	361
Vujic Spasic, Maja	
In spite of genetic iron overload, Hfe-hemochromatosis mice do not show bone loss	362
Vulpe, Christopher	
CRISPR-Cas9 genome-wide loss-of-function screening in human erythroleukemic cells identifies novel cellular components involved in iron and heme trafficking	363
Wagner, Alessa	
Manipulation of iron levels defines bone status	364
Wallace, Daniel	
Hepcidin and prostate cancer: Is there really a link?	365

Walter, Patrick B. Systemic disease burden in neurodegeneration with Brain Iron Accumulation (NBIA) targeted by deferiprone chelation therapy	366
Walter, Patrick B. Mechanisms of iron induced proliferation of monocytic THP-1 cells	367
Wang, Fudi Unraveling HJV-Hepcidin-Ferroportin regulatory networks in iron homeostasis	368
Wang, Hai-Tao Effects of inflammation on the serum Hepcidin of T2DM Patients: A meta-analysis	369
Wang, Shufen Characterization of transferrin receptor 1 in hematopoiesis	370
Watt, Richard Furin inhibition as a treatment to lower Hepcidin levels	371
Weber, Pamela Enzymatic activity of retinol saturase is required for its oxidative stress response	372
Weiss, Günter Iron metabolism is a conserved regulator of whole body cholesterol homeostasis	373
Presenter: Demetz, Egon	
Wendt, Amanda S. Groundwater iron associated with iron status among non-pregnant women and children in rural Bangladesh	374
Weyhmler, Marcela The SQUID biosusceptometer at Oakland: Sixteen years of experience	375
Weyhmler, Marcela Room Temperature Sensors for Biomagnetic Liver Susceptometry: Comparisons with the Oakland Ferritometer	376

Widhalm, Raimund	
The involvement of iron transporters in placental uptake of cadmium and lead	377
Woloshun, Regina	
Select amino acids alter DMT1 abundance on the BBM of duodenal enterocytes and enhance or reduce iron flux in duodenal epithelial organ cultures	378
Zabul, Piotr	
Clinical implications of high-dose vitamin D3 supplementation in terms of molecular stabilization of placental cytochrome P450scc in prevention and treatment of preeclampsia	379
Zhang, An-Sheng	
The catalytic, stem, and transmembrane portions of matriptase-2 are required for suppressing the expression of the iron-regulatory hormone hepcidin	380
Zhang, Vida	
Characterization of the role of iron in acute lung injury	381
Zhang, William	
NCOA4 and ferritin turnover in alveolar macrophages: Implications for chronic obstructive pulmonary disease	382
Zhou, Jie	
Iron-deficient milk of hephaestin knockout mouse dams underlies hair loss in pups and is associated with Wnt signaling pathway defects	383