



# AFLSC2019

## Tuesday 29 January 2019

### PCCr2: Biocrystallography : Block 2a - Ernest Addison Hall (11:00-13:00)

time	[id] title	presenter
11:00	[129] Structural biology @Elettra: an integrated approach to DNA replication and repair	ONESTI, Silvia
11:20	[289] Virulence factors of <i>Listeria monocytogenes</i> and their host receptor interactions	Prof. SCHUBERT, Wolf-Dieter
11:40	[76] Structural principles of venom insulins: can these be applied to the development of new therapies for diabetes?	Dr LAWRENCE, Michael
12:00	[288] Crystallization of membrane transport proteins in Lipidic Cubic Mesophase (LCP) aided by an engineered Green Fluorescent Protein Thermal Shift Screen (GFP-TS)	Dr NJI, Emmanuel
12:20	[131] Molecular architectures of essential components the pCW3 DNA transfer apparatus	Dr TRAORE, Daouda
12:40	[84] A structural biology approach for the discovery of aldehyde dehydrogenases 1A isozymes specific inhibitors	Prof. RIZZI, Menico

### PCCr2: Molecular Crystals : Block 3a - Ernest Addison Hall (14:00-16:00)

time	[id] title	presenter
14:00	[290] X-ray diffraction using the Synchrotron light for molecular materials	Dr FERTEY, Pierre
14:30	[148] Structural study of functional nanomaterials by combining in situ X-ray total scattering and NMR spectroscopy	EL-EULMI, Bendeif
15:00	[219] Experimental charge and spin densities studies on perovskite of YTiO <sub>3</sub> through Joint refinement of X-ray and polarized neutron diffraction data	VOUFACK, Ariste Bolivard
15:15	[291] Atoms in Motion: Creating and Characterizing Dynamic Crystalline Materials	Dr BENEDICT, Jason
15:45	[332] The role of X-ray analysis of magic balls for fluoride removal	Dr ANNAN, Ebenezer

### PCCr2: PCCr2 - Ernest Addison Hall (16:30-18:00)

time	[id] title	presenter
16:30	[240] Synthesis, Characterization and Environmental Application of Ag-Ag <sub>3</sub> PO <sub>4</sub> Photocatalyst	NYANKSON, Emmanuel
16:45	[335] Crystal, electronic structure, optical and electrical studies of new 2D hybrid perovskite promising for photovoltaic applications	Dr SEHAM, K. Abdel-Aal
17:00	[336] Goethite functionalised cyclodextrin nanosponge for the removal of organic, inorganic and microbial contaminants from drinking water	Dr CHE RANDY, Nangah
17:15	[337] Cocrystals and Metal Complexes: Synthesis, Structural Elucidation and Applications	Dr ABOSEDE, Olufunso

17:30	[338] Synthesis, characterization and thermoelectric properties of polymer blend Bi <sub>22.5</sub> Sb <sub>7.5</sub> Te <sub>70</sub> composite	Dr DEMOZE, N
17:45	[339] How Crystallography can Influence the Sustainability of Cement-based products	Dr BEDIAKO, M

## Wednesday 30 January 2019

### PCCr2: Crystal Engineering : Block 6a (10:30-12:30)

time	[id] title	presenter
10:30	[134] Turning liquid active ingredients into crystals	BACCHI, Alessia
10:55	[133] Polymorphism in Molecular Crystals: New and Old Stories	CRUZ-CABEZ, A
11:20	[77] Presentation of the Diffractometers Center of Abidjan	Dr TENON, Abodou Jules
11:45	[292] Single crystal to single crystal transformations in Co(II)-tricarboxylate metal-organic frameworks.	Dr DZESSE TEKOUO, Christelle
12:00	[225] Combining photocrystallography and infrared spectroscopy for the study of nitric oxide and nitrite linkage isomers	SCHANIEL, Dominik
12:15	[161] Lanthanide-transition metals molecular materials: Synthesis and Crystal structure.	DIALLO, Mamoudou

### PCCr2: Crystal Physics / Growth : Block 7a (14:00-16:00)

time	[id] title	presenter
14:00	[218] Sharing structures around the world	WARD, Suzanna
14:30	[226] One million structures to power chemical science	SARJEANT, Amy A
15:00	[315] Advanced Materials Characterization Using Powder Diffraction Techniques and the Powder Diffraction File	Dr BLANTON, Tom
15:20	[146] Structural Targets Annotation Database - STAD	RACHEDI, Abdelkrim
15:40	[178] Assessment of the O-O bond in terminal dioxygen first row transition metal complexes: A CSD/DFT study	TETTEH,, Samuel

### PCCr2: Diffraction Physics and Phase transitions (16:30-18:00)

time	[id] title	presenter
16:30	[163] Heterotrinnuclear complex of (Ni-K-Ni) and Co-crystal structure of a dinuclear (Zn-Y) and a trinuclear (Zn-Y-Zn)	THIAM, Ibrahima Elhadji
16:45	[282] Crystalline Phase Stabilization and Structure Dynamics of Oxide-ion Conducting Bismuth Oxides Doped with Rare-earth Cations	Dr MKWIZU, Tumaini
17:00	[340] Trypanosoma brucei polyamine biosynthesis enzyme structures provide information about novel metabolism and regulation	Dr TOMCHICK, Tomchick
17:20	[197] Separation of Trimethoxybenzene Isomers by Bile Acids	BOUDIOMBO, Jacky S
17:40	[173] N-Benzyl-4-((heteroaryl)methyl)benzamides :A New Class of Direct NADH- Dependent 2-trans Enoyl-Acyl Carrier Protein Reductase(InhA) Inhibitors with Antitubercular Activity	KOUMAN, Koffi Charles

# Thursday 31 January 2019

## PCCr2: Inorganic Materials : Block 10b (10:30-12:30)

-Conveners: F Porcher

time	[id] title	presenter
10:30	[300] Multi analyses on inorganic materials	Dr ZEMA, Michele
11:00	[258] Investigating lithium vanadium phosphate cathode materials for lithium- ion batteries	NYONI, Michelle Sibonokuhle
11:15	[198] Crystal structure of a silver-, cobalt- and iron-based phosphate with an alluaudite-like structure: Ag 1.655 Co 1.64 Fe 1.36 (PO <sub>4</sub> ) <sub>3</sub>	BOURAIMA, Adam
11:30	[167] Building the future: sustainability of construction materials	ARTIOLI, Gilberto
12:00	[159] Refractory bricks worked out with raw materials from Burkina Faso: effect of the nature of grog and the alumina contents in the mineral binder	SAWADOGO, Moustapha
12:15	[301] Clays and bricks	Dr PRISCA, Lébé