

| Program of XD107 seminar in the Spring Semester 2023 |               |  |   |
|--|---------------|--|---|
| Thursday June 8, 2023 B11-132                        |               |  |   |
| Time   |               |  |   |
|  | 8:00 - 8:45   | Registration   | Sign attendance sheet in B11/132 room. Pin up posters in the Hallway between C14 and B11, 2nd floor                                   |
|  | 8:45 - 9:00   | <b>Opening</b>   | <b>B11-132</b>  |
| Number   |               | Lectures   | B11-132   |
| <b>1</b>   | 9:00          | Vojtěch Šádek  | Path Dependency of Energy Decomposition Analysis: Collective Bonding as a Corner Case   |
| <b>2</b>   | 9:30          | Petr Macháč  | Synthesis of porous inorganic matrices by nonhydrolytic sol-gel methods   |
| <b>3</b>   | 10:00         | Shib Shankar Paul  | TOWARDS SUPRAMOLECULAR PLATINUM(II) METALLODRUGS  |
| <b>4</b>   | 10:30         | Jacopo Torrisi   | Synthesis and Application of Unsubstituted Bambus[n]urils   |
|  | 11:00         | <b>BREAK</b>   |   |
| <b>5</b>   | 11:15         | Jasmin Suljagić  | APPLICATION OF Pd(OCOCF <sub>3</sub> ) <sub>2</sub> /BIPYRIDINE COMPLEX IN THE FORMATION OF QUATERNARY CARBON CENTERS                 |
| <b>6</b>   | 11:45         | Ivan Landry Yumdjo Youmbissi                             | Is digital scanner suitable as cheaper alternative of a spectrophotometer?  |
| <b>7</b>   | 12:15         | Carola Rando   | Selective Recognition of Dicyanoaurate(I) by a Bambus[n]uril Macrocycle in Water  |
| <b>8</b>   | 12:45         | Andrea Ramundo   | Porphyrin-Flavonol Hybrid Molecules for Efficient Delivery of CO  |
|  | 13:15         | <b>LUNCH</b>   |   |
| <b>9</b>   | 14:15         | Jan Zezula   | Distinguishing the Glass, Crystal, and Quasi-Liquid Layer in 1-Methylnaphthalene by using Fluorescence Signatures                     |
| <b>10</b>  | 14:45         | Subhasis Chattopadhyay                                   | Metallosupramolecur Architectures of Bile Acid Derivatives: from Metallosupramolecular Cages to Infinite Coordination Particles       |
| <b>11</b>  | 15:15         | Lukáš Pečinka  | Biostatistics and machine learning in MALDI MS research   |
| <b>12</b>  | 15:45         | Mahya Asgharian Marzabad                                 | FOLIC ACID-BASED SUPERGELATORS: MECHANICALLY ROBUST SELF-HEALING METALLOGELS  |
|  | 16:15 - 17:30 | <b>Posters</b>   | Hallway between C14 and B11, 2nd floor. All poster authors are present at their posters. Vote for the best poster by 17:30 in B11-132 |
|  | 17:45         | <b>Best Lecture Award, Best Poster Award, Conclusion</b> | <b>B11-132</b>  |
|  |               | <b>Posters</b>   | <b>Hallway between C14 and B11, 2nd floor</b>   |
| <b>1</b>   |               | Vojtěch Šádek  | Stepwise Energy Decomposition Analysis: Calculation with simple molecules using modified GAMESS code                                  |
| <b>2</b>   |               | Jan Dobeš  | Importance of Analyte-matrix Separation in U-Pb and Pb-Pb Dating Systems  |
| <b>3</b>   |               | Markéta Vejvodová  | SINGLE-CELL AND HIGH-RESOLUTION ANALYSIS OF ELEMENTS IN CELLS AND TISSUE CULTURES USING LA-ICP-MS                                     |
| <b>4</b>   |               | Susrisweta Behera  | Spectroscopy study of freezing-induced acidity change of buffers in the presence of sugars  |
| <b>5</b>   |               | Shib Shankar Paul  | SELF-SORTING OF PLATINUM(II) COMPLEXES INSIDE CUCURBIT[8]JURIL  |
| <b>6</b>   |               | Viacheslav Shkepu  | Synthesis of new analogs of forskolin   |
| <b>7</b>   |               | Jan Zezula   | Spectroscopy of PAHs to Determine Speciation in Various Environments  |
| <b>8</b>   |               | Subhasis Chattopadhyay                                   | Self-Assembly of Bile Acid Derivatives into Metallosupramolecur Cages   |
| <b>9</b>   |               | Arico Del Mauro  | Dynamic [1]Rotaxanes via Reversible Covalent Bond and Host-Guest Anion Recognition  |
| <b>10</b>  |               | Taufiqueahmed Mujawar                                    | Development of a Unified Synthetic Approach to the Oxidation Products of Bilirubin  |
| <b>11</b>  |               | Dávid Mikšík   | EXPERIMENTAL STUDY AND THERMODYNAMIC MODELLING OF Co-Se-Sn TERNARY SYSTÉM   |
| <b>12</b>  |               | Xiaochun Li  | Elimination Voltammetry - An Attractive Method for the Evaluation of Electrochemical Processes  |
| <b>13</b>  |               | Michal Mlynek  | Synthesis and Characterization of Boroaluminates via Non-Hydrolytic Sol-Gel Method  |