Program of the 18th mol(CH)surf *discussion meeting*

Friday, June 14, 2024

University of Bern, Dept. Chemistry and Biochemistry, Freiestrasse 3, Room EG16

08:45 – 09:15	*Registration* *(please bring CHF 80 in cash!)*	
09:15 – 09:20	Welcome	Thomas Greber
	Keynote	*Chair: Fabian Natterer*
09:20 – 10:05	Quantum magnetism and Kondo effect in open-shell nanographenes	David Jacob, Universidad del País Vasco EHU/UPV
	Recent developments I	
10:05 – 10:30	Cyclocarbons	Leo Gross, IBM
Coffee break		
	Recent developments II	*Chair: Christian Wäckerlin*
11:00 – 11:25	Gate tunable topological superconductivity in a supramolecular spin lattice molecule	Rémy Pawlak, UBAS
11:25 – 11:50	Spin resonance of magnetically coupled molecular spins on surfaces	Aishwarya Vishwakarma, ETHZ
11:50 – 12:15	STM-induced luminescence from edge-extended graphene nanoribbons	Jiang Song, UNISTRA
Lunch	*at Restaurant Beaulieu* *(incl. in registration fee)*	
	Brief reports I	*Chair: Florian Albrecht*
14:15 – 14:30	An ultrafast STM for probing single atomic defects in 2D semiconductors	Laric Bobzien, Empa
14:30 – 14:45	Teaching an old dog new tricks: High dynamic range STM and clip-on lens scanning tunneling luminescence microscopy	Ajla Karic, UZH
14:45 – 15:00	Exchange interactions of open-shell nanographenes on a ferromagnetic $TbAu_2$ surface alloy	Nicolò Bassi, Empa
15:00 – 15:15	Conflicting magnetic anisotropies in 2D metal-organic networks	Diego Radillo Ochoa, PSI/EPFL
Coffee break		
	Brief reports II	*Chair: Huanyao Cun*
15:45 – 16:00	Conformational tuning of magnetic interactions in coupled nanographenes	Gonçalo Catarina, Empa
16:00 – 16:15	Conformational change of endofullerenes: $CeTi@C_{80}$	Wei Chuang Lee, UZH
	Updates from the SLS	
16:15 – 16:25	From dark to bright and in between - status of the SLS 2.0 upgrade	Matthias Muntwiler, PSI
16:25 – 16:40	**Final discussion & Outlook**	*Chair: Roman Fasel*

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List of registered participants *(as of 17.06.2024)*

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by a short 10 min walk
The Department of Chemistry and Biochemistry can be reached from the train station (Hauptbahnhof Bern) by a short 10 min walk. After getting off the train, ignore the escalator/ stairs on the platform and head down into the main station underpass. Take one of the elevators at the end of the underpass near platform 13 and ride to the 4th floor "Grosse Schanze". Turn round, and pass between the two large historic buildings (the railroad administration on the left and the main University building on the right). Cross Hochschulstrasse and turn right after the small park. Walk along the main road (Länggassstrasse). Approx. 100 meters later, you will see a restaurant named "Beaulieu" on the left; from there follow Erlachstrasse departing slightly to the left from the main street. After approx. 200 m pass the roundabout and walk straight on. You will find the Department of Chemistry and Biochemistry on your left, about 50 m after the roundabout.

by Bus Nr. 12 - direction "Länggasse" from Bern Railway station (plan of bus stops at railway station), leave at the bus-stop "Mittelstrasse", cross the road at the zebra crossing opposite the post office, turn left into Fellenbergstrasse, walk along Fellenbergstrase until end of the street. Turn right, the DCB is opposite the Paulus Church (Freiestrasse 3).

by car
A1/A12 direction Neuchâtel/Fribourg, exit Bern-Neufeld. Turn left in the direction of Länggasse. At the traffic light turn right into Bremgartenstrasse and go straight on to the roundabout. Turn left into Länggassstrasse. At the second traffic light turn right into Muesmattstrasse. Take the first on the left which is Freiestrasse. The DCB is opposite the church. Parking is strictly limited to 60 min in the whole area. For longer parking opt for the railway station car park.

Lecture room **EG16** is located on the ground floor of the North building