Seminar „Protein Expression, Purification, Characterization“- 2018
IRTG “Obesity Mechanisms”

Tuesday, 18th of September (AG Prof. Annette Beck-Sickinger)
PART I
Venue: Seminar room 410, 4th floor, Brüderstr. 34, Biochemistry and Bioorganic Chemistry

9:00 – 10:30/ Lectures: Cloning, protein expression (E.coli, mammalian cells, in vitro expression systems) and purification
10:45 – 11:45 Guided lab tour and practical demonstration on protein expression (Kathrin Bellmann-Sickert)

Tuesday, 18th of September (AG Prof. Norbert Sträter, Renato Weiße)
PART I
Venue: Seminar room 2, BBZ

13:00 – 14:30 Lecture: Introduction to protein crystal structure determination
14:40 – 17:00 Practical course: Using crystallographic models for biochemical research

Wednesday, 10th of October (AG Prof. Norbert Sträter, Renato Weiße)
PART II
Venue: 1st floor, Laboratory work group Prof. Sträter, BBZ

13:00 – 17:00 Lecture: Brief introduction in theory about crystallization
Physical and chemical properties of crystals
Practical course: Crystallization – model construction and structure visualization

Wednesday, 17th of October (AG Dr. Dr. John Heiker)
PART III
Venue: Seminar room 410, 4th floor, Brüderstr. 34, Biochemistry and Bioorganic Chemistry

9:00 – 10:30/ Lecture: Protein analytics, Edman sequencing, MS/MS methods
10:45 – 12:15 Practical course: MALDI MS