

Preliminary schedule for the Summer school in Lund 18-21 June 2018

Introduction to molecular spectroscopy

Monday 18/6:

09:00-09:15: Welcome and Introduction - (Christian)
09.00-10.30: Lecture: Molecular spectroscopy (IR & Microwave) - (ZSL)
10.30-11.00: Break
11.00-12.30: Lecture: Molecular spectroscopy (IR) - (ZSL)
12.30-13.30: Lunch
13:30-17.00: **Hitran exercise** (RLP)

Tuesday 19/6:

09.00-10.30: Lecture: Molecular spectroscopy (Raman) - (ZSL)
10.30-11.00: Break
11.00-12.30: Lecture: Molecular spectroscopy (vibronic) - (ZSL)
12.30-13.30: Lunch
13.30-17.00: **Flame emission lab exercise & LifBase** (in three groups, ZSL, DH, ALS)

Mini Mid-TECH seminar

The purpose of the mini seminar is to provide a bird's view of your ESR projects and new opportunities in the scientific field; Imagine that this should be part of your PhD thesis outlook!

We have 30 mins in total per ESR project:

- Introduction to your ESR project (objectives and most important findings): (10 mins)
- Outlook and possible impact (challenges in your specific field, new possibilities in the field, where could future work/research be directed?!): (5-10 mins)
- Discussion in plenum (10-15 mins)

Wednesday 20/6 :

09.00-10.30: 3 ESR presentations (ICFO)
10.30-11.00: Break
11.00-12.30: 3 ESR presentations (HUB)
12.30-13.30: Lunch
13:30-15:30: Lab tour
15:30-17:00: Working with reports (Hitran & Flame emission lab)
14:00-18.30: **Supervisory Board meeting**
17:30-19:00 Pool at Paradis Biljard, Bredgatan 10 - *To be confirmed*
19.30: Dinner at Gloria's, Sankt Petri kyrkogata 9 - *To be confirmed*
Dinner + discussion of new research applications

Thursday 21/6:

9.00-10.30: 3 ESR presentations (LUND + FOTONIK)

10.30-11.00: Break

11.00-12.30: 3 ESR presentations (NKT + FOTONIK)

12.30-13.30: Lunch

13.30-15.00: 3 ESR presentations (FbH + EXETER)

15.00-15.30: Closing remarks (Christian)