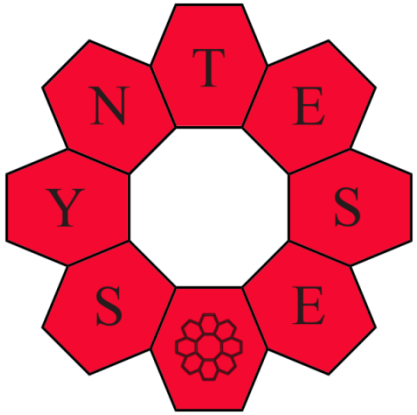
SynMet

Introduction



Welcome!

Teachers

Mikael Begtrup (Sund), Michael Pittelkow (Science), Jørn B. Christensen (Science), Marianne Wehmeyer (technician), Poul T. Sørensen (technician).

Lectures

Anders Lindhardt (University of Aarhus), Christian Tortzen (KU), Jan Kehler (Lundbeck), Christian Parker (Syntese), Mikael Begtrup (Farma/KU), Ole Hammerich (KU), Jørn B. Christensen (KU), Geneva Peterson (Cambridge), Michael Pittelkow (KU).

- sometimes the external lectures bring extra assignments.

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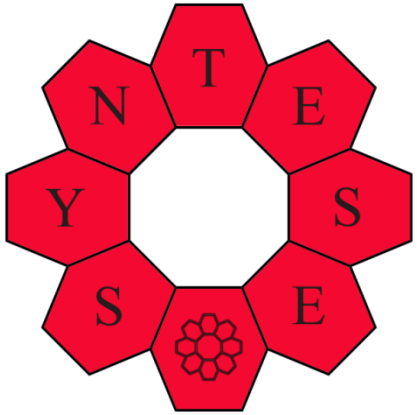

The course

• Teams of three. Primary goal of this course is to learn new techniques.

• You (the teams) can choose your own assignments. The plan is to do a 'mini project' and a series of other tasks.

• Please plan ahead, and tell us early if/when you want more/different assignments.

• If you deviate significantly from the plan, then come and discuss it with us.

• You can suggest other assignments than the ones we have chosen – if they are reasonable (price/safety etc).

• The purpose is NOT to spend two weeks running columns. If columns are needed, then try new (for you) column techniques!

• Some assignments are the same for more than one team – and for some of them starting materials can (should) be made in collaboration.

The laboratory

• Undergraduate teaching lab turns into a 42 person research lab: many things will be different from what you are used to. It is important that you try to learn from each other.

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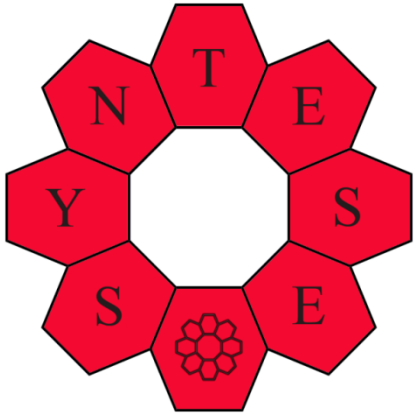

Equipment

- **Each team has a cupboard with standard equipment.**
- **Marianne has more specialised equipment.**
- **Some more specialised equipment is near the teacher-area.**
- **Michael and Jørn can find most even-more-specialised equipment.**
- **Ask 'local' students if in doubt!**
- **Some communal equipment needs to be setup – especially the two double manifolds, a vacuum line and a THF still.**

Chemicals

- **Can be found in several places…perhaps a bit chaotic.**
- **Standard chemicals can be found in the store room (see list outside the door).**
- **SynMet has some shelfs in the store room.**
- **Always check that the chemicals are there, and how much there is before starting a reaction – perhaps the scale of the reaction sometimes must be adjusted to reality!**

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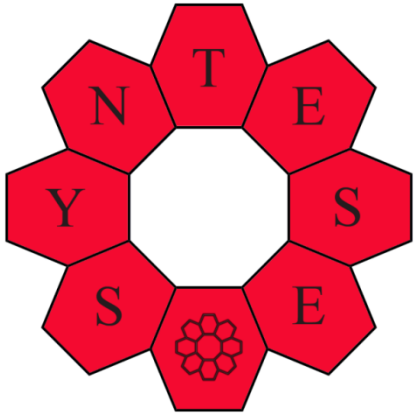

Waste

- **All organic waste in B-waste (including chlorinated waste).**
- **All solid waste in Z-waste (white buckets).**
- **Special waste containers for needles.**
- **In case of Cr, Hg or other nasty waste a special waste container will be made.**
- **Destroy reactive chemicals before disposal.**

Gloves

- **Single-use gloves are used in the course.**

Smell

- **If someone makes the lab unbearable to be in, he/she must bring cake.**

Safety

- **We will take a walk through the lab before work starts to look at specific safety issues.**
- **We belive in active-safety. Remember that open fire is allowed in the lab.**
- **Safety glasses.**

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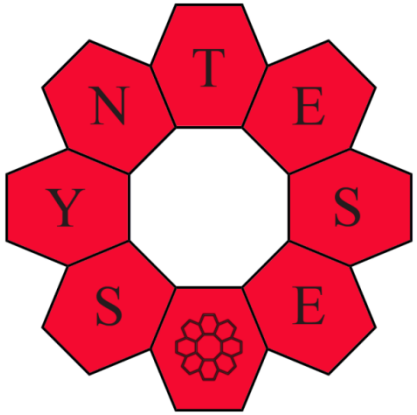

NMR and MS

- **We will try to run NMR and MS (GC/MS) samples continuously.**
- **If samples are ready before 15.00, then they will be run before the morning.**
- **If nesecary, ask a local!**

Monday 28-7-2014			
9.00-10.00	B404	Pittelkow/Christensen/KU	'Introduction'
10.00-16.00	Lab work		
16.00-17.00	B404	Begtrup/KU	'About organic synthesis'

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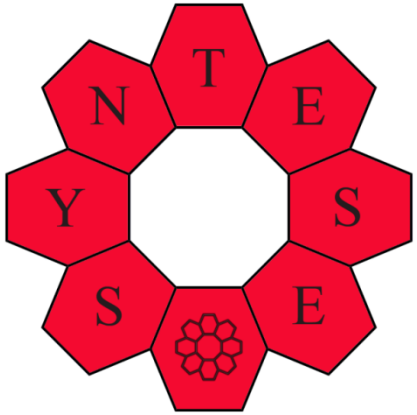

What do we expect from you?

• That you fill in a piece of paper after each synthesis.

• After the end of the practical course we want your help to make next years course better – we want you to give us new recipes! Make a 5-page assignment (also part of the evaluation of the course) or prepare a small movie illustrating a method/technique.

• That you are here during the course (work and play).

• That you prepare and know what you are working with.

Failure to leave clean and tidy work-area is not OK.

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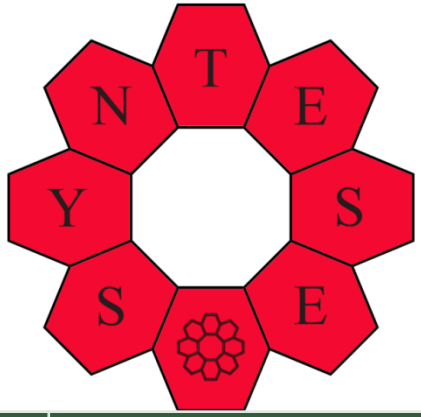

Team 1	**Camilla Frich Riber (AU)**	**Juliana Pereira Lopes Goncalves (KU)**	**Yifan Zhang (KU)**
Team 2	David Poulsen de Sousa (SDU)	Mikkel Skovsgaard (AU)	Mikkel Poul Krell-Jørgensen (KU)
Team 3	Hongxia Hu (KU)	Simon Laursen (AU)	Muhan Zhao (KU)
Team 4	Iacopo Galleano (KU, Sund)	Søren Pedersen (AU)	Marten Ludwig Haupt (KU)
Team 5	Jane Nguyen (AU)	Kåre Vestergård Thomsen (KU)	Olav Vestrheim (KU)
Team 6	Kim Vejlegaard Kristensen (SDU)	Søren Sejer Donau (AU)	Julie Olsson Nielsen (KU)
Team 7	Kristian Mark Jacobsen (AU)	Lina Malinauskaité (KU)	Julia Michelle Warren (KU)
Team 8	Ulrik keiding (AU)	Pernille Sørensen Bols (KU)	Joakim Holck Andersen (KU)
Team 9	Lan He (KU)	Mikael Madsen (AU)	Olivia Mulvad Akselsen (KU)
Team 10	Lars Leth (AU)	Line Malue Langhorn (KU)	Laura Teinholt Finne (KU)
Team 11	Line Debois (AU)	Kristina Eriksen (KU)	Nathaniel George Breffni King (KU)
Team 12	Line Næsborg (AU)	Dasol Hwang (KU)	David Alexander Kawiecki (KU)
Team 13	Malthe Hansen Bruhn (AU)	Niels Thoftgaard Højland Nielsen (KU)	Esmira Mamedova (KU)
Team 14	Martin Bak (DTU)	Valentin Dominique Pierre Rault (KU)	Laura d'Andrea (KU)

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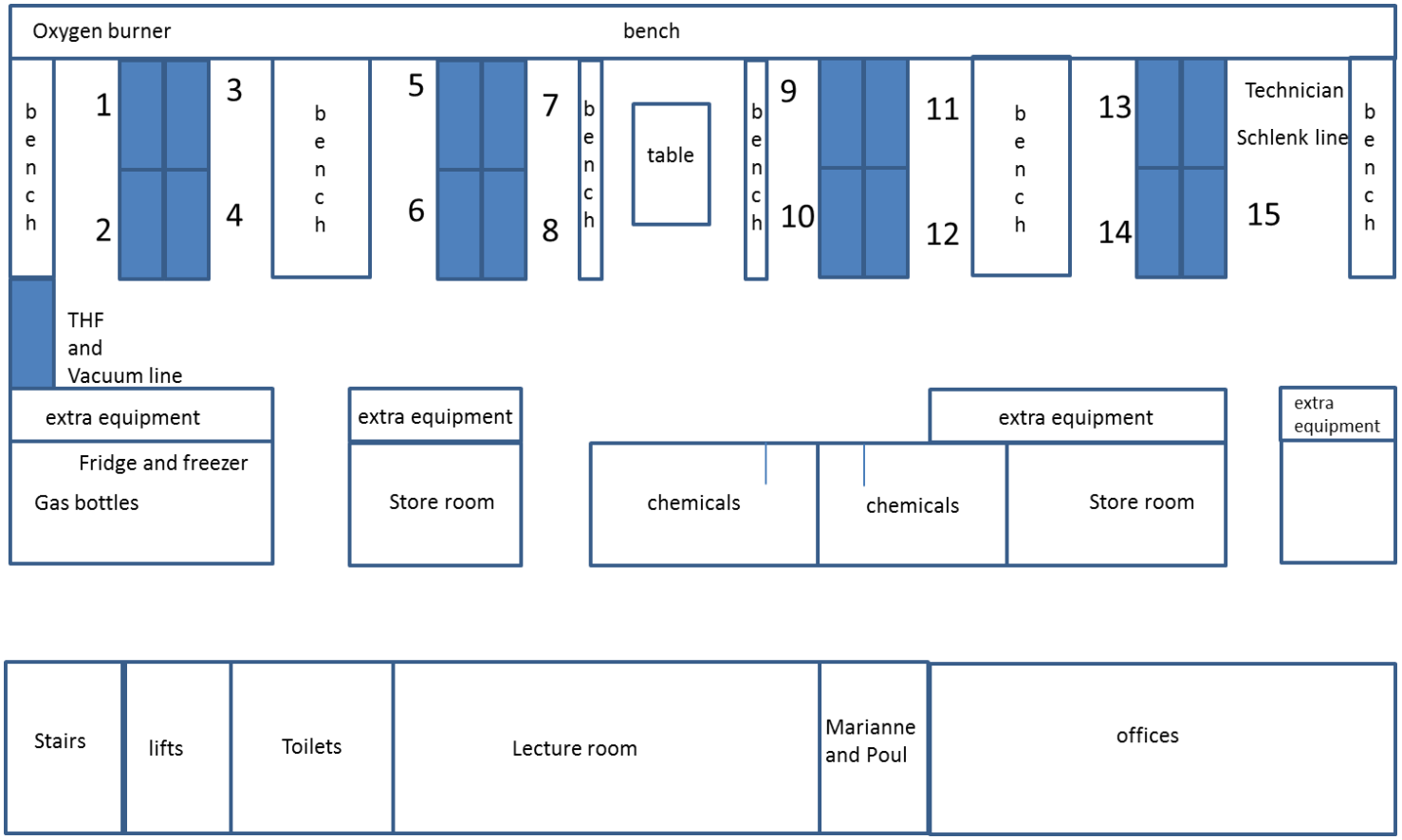

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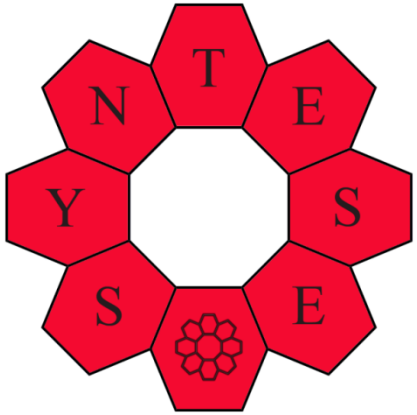

http://www.pittelkow.kiku.dk/index_synmet2015.htm

DEPARTMENT OF CHEMISTRY
UNIVERSITY OF COPENHAGEN

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Dinner

Suggestion: Tuesday the 18th

Good luck, and have fun

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