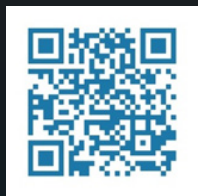


FEBS Advanced Lecture Course

Biosystem Design: Computational and Experimental Approaches

29 September - 7 October 2019
Spetses, Greece



biosystemdesign2019.febsevents.org

Jointly organised by:

John McCarthy, WISB Warwick

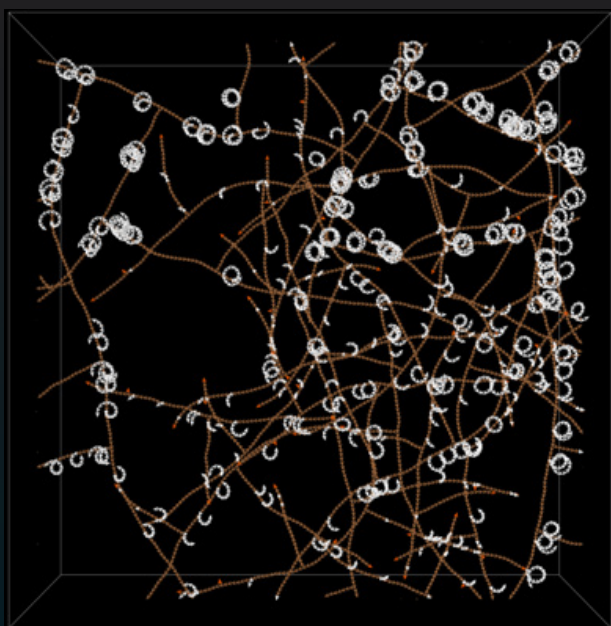
Corinne Hanlon, WISB Warwick

Anke Becker, SYNMIKRO Marburg

Gert Bange, SYNMIKRO Marburg

Victor Sourjik, SYNMIKRO Marburg

Bettina Happel, SYNMIKRO Marburg



Deadline to apply 15 May 2019

Duration of the FEBS Course: Sunday 29 September - Monday 7 October 2019 (7 days, 8 nights)

Deadline for applications: 00:00 GMT on Wednesday 15 May 2019

Venue: Spetses Hotel, Spetses Island, 180 50, Greece
Phone: +30 22980 72602

Registration fee: 720,00 € including 8 nights twin accommodation and 2 meals per day (breakfast and lunch, plus dinner where stated on the programme). There are a few single rooms available on a first-come, first-served basis (1060,00 €).

Not included in registration fee: Travel to and from Greece, transfer to the island of Spetses, evening meals (where not stated) and any additional accommodation.

Travel Grants: A small number of Youth Travel Fund (YTF) grants will be available to graduate students (<35 years) and early career postdocs (<5 years post-graduation). There is also one Transcontinental YTF available for a participant travelling from outside the FEBS area. These grants will cover the cost of registration and will be selected competitively. Full details and information on how to apply are available on our website.

biosystemdesign2019.febsevents.org

Contact: Bettina Happel, Marburg
biosystemdesign@synmikro.uni-marburg.de

Accommodation and Venue

All of the rooms are air-conditioned and have en-suite bathrooms. The majority will be twin rooms, with a small number of single rooms assigned on a first-come, first-served basis.

When booking online, you can specify the name of a room-mate. If both applicants name each other, a shared room will be assigned accordingly. If the specified names do not match (applicant A names B, but applicant B names X), or if a name isn't given, twin rooms will be assigned on a same-sex basis.

Hotel Spetses, Island of Spetses, Greece
Web: www.spetses-hotel.gr/en
Email: info@spetseshotel.gr
Tel: +30 22980 72602



PROGRAMME*

Sunday 29 September

Arrivals

18:30 - 19:30 Registration
19:30 - 21:30 Reception

Monday 30 September

08:30 - 09:00 Registration
09:00 - 09:20 Introductory session for lecturers
09:30 - 09:50 General introduction for all
09:50 - 10:10 BREAK

Self-assembly & Novel Synthetic Systems

10:10 - 12:00 William Shih, Wyss/Harvard
12:00 - 13:50 Philipp Holliger, Cambridge
13:50 - 14:50 LUNCH
14:50 - 15:10 Tutorial groups - initial meetings
15:10 - 17:00 Free time
17:00 - 19:00 Poster Session 1
19:30 - 22:00 DINNER for teaching faculty only

Free evening for delegates

Tuesday 1 October

Principles and Technologies

09:00 - 10:50 John McCarthy, Warwick
10:50 - 11:20 BREAK
11:20 - 13:10 Virginia Cornish, New York
13:10 - 14:10 LUNCH + free time
16:40 - 17:50 Short presentations selected from Poster Session 1
18:00 - 19:00 IUBMB Lecture: Luis Serrano, Barcelona
19:30 - 22:00 DINNER for all tutorial groups

Wednesday 2 October

Building New Genomes

09:00 - 10:50 Patrick Yizhi Cai, Manchester
10:50 - 11:20 BREAK

Molecular Machineries and Pathways

11:20 - 13:10 Gert Bange, Marburg
13:10 - 14:10 LUNCH
14:10 - 16:00 Beatrix Süß, Darmstadt
16:00 - 17:10 Free time
17:10 - 19:00 Victor Sourjik, Marburg

Free evening for all

Thursday 3 October

Engineering Novel Biological Circuitry

08:50 - 10:40 Emzo de los Santos, Warwick
10:40 - 11:00 BREAK
11:00 - 12:50 Mary Dunlop, Boston
12:50 - 14:00 LUNCH + free time
14:00 - 18:00 EXCURSION

Free evening for all

Friday 4 October

Engineering Higher Eukaryotic Systems

09:00 - 10:50 Barbara di Ventura, Heidelberg
10:50 - 11:20 BREAK
11:20 - 13:10 Computational methods classes
13:10 - 15:00 LUNCH + free time
15:00 - 17:00 Poster Session 2
17:10 - 19:00 Anke Becker, Marburg
19:30 - 22:00 DINNER for all tutorial groups

Saturday 5 October

New Perspectives in Biotechnology

09:00 - 10:50 Debbie Yaver, Novozymes, Davis
10:50 - 11:20 BREAK
11:20 - 13:10 Yoshi Nakamura, Tokyo
13:10 - 16:00 LUNCH + free time
16:00 - 17:50 Victor de Lorenzo, Madrid
17:50 - 19:00 Short presentations selected from Poster Session 2

Free evening for all

Sunday 6 October

New Perspectives in Biotechnology

09:00 - 10:50 Verena Siewers, Göteborg
10:50 - 11:20 BREAK
11:20 - 13:10 Irina Borodina, Lyngby
13:10 - 18:20 LUNCH + free time
18:20 - 19:00 Summing up and overview
19:30 - 22:30 BANQUET for all

Monday 7 October

Departures

*Please note this programme is subject to change

This Advanced Lecture Course explores how we can design, engineer and characterise biosystems utilising advanced quantitative methods and technologies. In addition to considering the diversity of applications of synthetic biology (build-to-apply), we will examine how engineering new biological systems can help us improve our understanding of the naturally evolved biosphere (build-to-understand). Join our faculty of leading experts in what will be an informative and exciting week of cutting-edge lectures, classes and discussions!

