

Leica - CNIC 1st Practical School in Super-Resolution Microscopy

Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC)
@ Madrid

15-17 March, 2016

AGENDA

15th March Seminar Room CNIC

09:00 Registration

09:30 Introduction to Super resolution microscopy

Valeria R. Caiolfa

10:00 STED - Physical principle; Colocalization and 3D reconstruction;
Advantages and limitations. PART 1

Nathalie Garin

11:00 Coffee break - CNIC canteen (ground floor)

11:15 STED - Physical principle; Colocalization and 3D reconstruction;
Advantages and limitations. PART 2

Juan Monteagudo

12:00 Lunch - CNIC canteen (ground floor)

12:45 Fluorescence labelling for super-resolution microscopy

Cristina Flors

13:15 Deconvolution: Concepts and applications

Chong Zhang

14:00 Hands-on (gSTED-3X, dSTORM, Image analysis)

15:30 Hands-on (gSTED-3X, dSTORM, Image analysis)

17:00 Coffee break - CNIC canteen (ground floor)

17:15 Hands-on (gSTED-3X, dSTORM, Image analysis)

18:45 End of the day

16th March Seminar Room CNIC

09:00 Single Molecule Localization by dSTORM: Physical principle; Image
construction; Sample preparation & fluorophores; Colocalization; TIRF
mode; 3D-mode; Advantages and limitations

Nathalie Garin; Valeria R. Caiolfa

10:45 Coffee break - CNIC canteen (ground floor)

11:00 Hands-on (gSTED-3X, dSTORM, Image analysis)

12:30 Lunch - CNIC canteen (ground floor)

13:15 Hands-on (gSTED-3X, dSTORM, Image analysis)

16:15 Coffee break - CNIC canteen (ground floor)

16:30 Hands-on (gSTED-3X, dSTORM, Image analysis)

18:00 End of the day

17th March

09:15 Hands-on (gSTED-3X, dSTORM, Image analysis)

10:45 Coffee break - CNIC canteen (ground floor)

11:00 Hands-on (gSTED-3X, dSTORM, Image analysis)

12:30 End of the day

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Speakers and Instructors

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Dr. Valeria R. Caiolfa

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Dr. Chong Zhang

SIMBIOSYS (Simulation, Imaging and Modelling for Biomedical Systems),
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Juan Monteagudo

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