



Scientist training course

**Institut d'Investigacions Biomèdiques August Pi i Sunyer
(IDIBAPS)
Barcelona, November 10-14, 2025**



WELCOME

Dear Young Scientists Training Course Participant,

We are pleased to welcome you to the 31st EASD Young Scientists Training Course, organized by the European Association for the Study of Diabetes with the generous support of Eli Lilly.

We are excited to host this year's course, which seeks to provide a practical and comprehensive view of several current aspects of basic and clinical research in the fields of diabetes. As the course will offer opportunities for participants to interact, we are also looking forward to meeting you and hearing about your own background and research.

We also wish to take this opportunity to encourage you to enjoy the vibrant atmosphere and the historical and cultural treasures of Barcelona. We hope that your stay with us is a wonderful and personally and scientifically challenging experience.

Good luck in the course and in your future career in diabetes.

Joan-Marc Servitja
Rosa Gasa
Course Coordinators



With the participation of CIBERDEM



The course is supported by Lilly Diabetes

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I. COURSE SCHEDULE

| TIME | Monday Nov 10 th | Tuesday Nov. 11 th | Wednesday Nov. 12 th | Thursday Nov. 13 th | Friday Nov. 14 th |
|---------------|---|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------|
| 7-8:45am | Arrival in Barcelona and check-in hotel | Breakfast at hotel | Breakfast at hotel | Breakfast at hotel | Breakfast at hotel |
| 8:45am | | Transfer to CEK | Transfer to CEK | Transfer to CEK | Transfer to CEK |
| 9-10:45am | | LECTURES | LECTURES | LECTURES | LECTURE |
| 10:45-11:15am | | Coffee-break | Coffee-break | Coffee-break | Coffee-break |
| 11:15am-1pm | | Tell us about your research | Tell us about your research | Tell us about your research | PRACTICAL SESSION (all) |
| 1-2pm | | Lunch | Lunch | Lunch | Final conclusions |
| 3-6pm | Welcome reception & LECTURE | PRACTICAL SESSION (in groups) | PRACTICAL SESSION (in groups) | PRACTICAL SESSION (in groups) | Departure |
| 8pm- | Dinner at hotel | Gaudí night | Dinner at hotel | Closing Dinner | |

LECTURES

Monday, November 10th

Auditori Esteve, “Altell” floor, CEK

16:30-17:45 **Lifestyle intervention strategies for diabetes prevention and treatment**
Anna Novials (IDIBAPS-CIBERDEM)

Tuesday, November 11th

Rooms 1&2, “Altell” floor, CEK

9:00-9:50 **Discovery of biomarkers for diabetes progression and comorbidities**
Joan-Marc Servitja (IDIBAPS-CIBERDEM)

9:55-10:45 **Beta cell therapy**
Rosa Gasa (IDIBAPS-CIBERDEM)

Wednesday, November 12th

Rooms 1&2, “Altell” floor, CEK

9:00-9:50 **Central regulation of glucose homeostasis**
Marc Claret (IDIBAPS-CIBERDEM)

9:55-10:45 **New pharmacological treatments for diabetes and obesity**
Josep Vidal (Hospital Clinic de Barcelona-IDIBAPS-CIBERDEM)

Thursday, November 13th

Rooms 1&2, ground floor, CEK

9:00-9:50 **Nanovaccines as a new frontier in type 1 diabetes**
Edgar Angelats (IDIBAPS)

9:55-10:45 **Mapping the beta cell with precision: emerging multi-omics approaches**
Lorenzo Pasquali (UPF)

Friday, November 14th

Rooms 1&2, ground floor, CEK

9:00-9:50 **Artificial Intelligence in biomedical science: a researcher’s transition to entrepreneurship**
Júlia Rodríguez-Comas (Sycal Medical)

PRACTICAL SESSIONS

| SESSION | DAY | GROUP | LOCATION |
|--|----------------|-------------|--|
| A1 2-4:30pm Phenotyping exercise fitness | 11 12 | 1 2 | Còrcega facilities and Hospital Clinic Barcelona |
| A2 4:30-6pm Assessment of cardiovascular risk | 13 | 3 | |
| B 2-6 pm Mouse pancreatic islet isolation and generation of pseudo-islets | 11 12 13 | 3 1 2 | Diabetes and Obesity Research Laboratory, CEK |
| C1 2-5pm Insulin secretion assays and <i>in toto</i> immunostaining | 11 12 13 | 2 3 1 | C1/C2: Diabetes and Obesity Research Laboratory, CEK C3: Meeting room, CEK |
| C2 5-6pm Pancreas histology and morphometric analysis | | | |
| D 10:30am-12:00pm Assessment of glucose homeostasis in mice using metabolic tests | 14 | ALL | MARGARITA SALAS + SANTIAGO RAMÓN Y CAJAL - (CEK) |

IV. ADDITIONAL INFORMATION

HOSTING INSTITUTION

Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)
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COURSE COORDINATION

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