

## FOREWORD

Dear ISPAD Faculty and Delegates,

I am most pleased to be the convener of this annual program together with Carine de Beaufort, past ISPAD Secretary General.

It is our pleasure to welcome all of you for the 23rd ISPAD Science School for Physicians that will be held in Verbania, Italy, April 16<sup>th</sup>-21<sup>st</sup>, 2023.

We invited physicians who are currently receiving pediatric endocrine/diabetes training or those undergoing early career developments in diabetes investigation from around the globe.

This year's program is aimed at enhancing trainees' performance of research in pediatric diabetes in order to advance care, find cures, and offer prevention for youth affected by diabetes worldwide.

The course will enable attendees to enhance their knowledge in the principles of research methodology, including basic/laboratory and clinical/translational approaches used in diabetes-related research.

The 4½ day program will consist of lectures on study design, statistical analysis and presentation of research findings. In addition, there will be plenary lectures by experts in key areas of basic, clinical, and translational diabetes research, including many world-renowned faculty members from the Italy, Europe and overseas.

This year, the best study project presented by a Delegate will receive one of the four 25k dollar grant Juvenile Diabetes Research Foundation will award together with ISPAD to the best 4 projects received from all over the world by young scientists under 40 years of age and ISPAD members.

We hope that this intensive week of work will be of great help for each of you, and for your career.

Welcome in Verbania, lovely lakeside town on Lago Maggiore, called "the garden on the lake".

*Andrea Scaramuzza & Carine de Beaufort*

## GENERAL INFORMATION

### VENUE

Villa San Remigio  
Via San Remigio, 1  
28922 Verbania (VB)  
Tel. +39 0323 503249  
[www.villasanremigio.it](http://www.villasanremigio.it)

### ACCOMMODATION

Hotel Ghiffa  
Corso Belvedere, 88  
28826 Ghiffa (VB)  
Tel. +39 0323 59285  
[www.hotelghiffa.com](http://www.hotelghiffa.com)

### SCIENTIFIC COMMITTEE

Andrea Scaramuzza  
Carine de Baeufort  
International Society for Pediatric and Adolescent Diabetes

### ORGANIZING SECRETARIAT

CTP Srl  
Via Fratelli Cuzio, 42  
27100 Pavia  
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With the endorsement of



SOCIETÀ ITALIANA DI  
ENDOCRINOLOGIA E  
DIABETOLOGIA PEDIATRICA

ITALIAN SOCIETY FOR  
PEDIATRIC ENDOCRINOLOGY  
AND DIABETOLOGY



UNIVERSITÀ DEL PIEMONTE ORIENTALE  
CENTRO DI SIMULAZIONE IN  
MEDICINA E PROFESSIONI SANITARIE

UPO  
SIMNOVA

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23<sup>rd</sup>  
ISPAD  
SCIENCE SCHOOL  
FOR PHYSICIANS  
2023

There is  
no good clinic  
without  
good research

METHODOLOGICAL  
ROUTE

BASIC ROUTE

TECHNOLOGICAL  
ROUTE

April 16<sup>th</sup> - 21<sup>st</sup>, 2023

Villa San Remigio - Verbania, Italy



UNIVERSITÀ DEL PIEMONTE ORIENTALE

## PROGRAM

### ► SUNDAY, APRIL 16<sup>TH</sup>, 2023

- 14:00-18:00 Arrives of Delegates & Faculty  
18:00-19:30 Faculty Meeting  
19:30-20:30 Dinner Lecture  
**JDRF vision for the next five years.**  
Sanjoy Dutta (New York, US)  
20:30-22:30 **Dinner**

### ► MONDAY, APRIL 17<sup>TH</sup>, 2023

- 8:30-9:00 Welcome & Introduction  
Carine de Beaufort (Luxemburg, Luxemburg), Andrea Scaramuzza (Milano, Italy), Stefano Zucchini (Bologna, Italy)  
9:00-10:00 Lecture  
**SWEET Consortium: What have we learnt and what we can expect in the next future**  
Thomas Danne (Hannover, Germany)  
10:00-11:00 **Statistical overview**  
Daniela Ferrante (Novara, Italy)  
11:00-11:15 **Break**  
11:15-12:15 **How to design a study: 5 tips to absolutely do and 5 not to do (first part)**  
(study design, study population, power calculation, statistical analysis, etc.)  
Daniela Ferrante (Novara, Italy)  
12:15-13:00 **Prediction and staging of type 1 diabetes**  
Dorothy Becker (Pittsburgh, US)  
13:00-14:00 Light lunch  
14:00-15:00 **How to design a study: 5 tips to absolutely do and 5 not to do (second part)**  
(study design, study population, power calculation, statistical analysis, etc.)  
Daniela Ferrante (Novara, Italy)  
15:00-15:45 **INNODIA, an international network to accelerate the development of new cures for people with type 1 diabetes**  
Manuela Baltaqlia (Leuven, Belgium)  
15:45-16:30 **Insulin management according to age: is there space for new research?**  
Carine de Beaufort (Luxemburg, Luxemburg)  
16:30-16:45 **Break**

- 16:45-18:00 **Study projects** (5 groups with 5 Delegates each, 1 tutor and Faculty members) *2-3 study projects/group for a total of 15 projects*  
18:00-19:30 **Case reports** (5 groups with 5 Delegates each, 1 tutor and Faculty members) *2-3 cases/group for a total of 10 case reports*  
19:30-20:15 Dinner Lecture  
**T1D Index**  
Carine de Beaufort (Luxemburg, Luxemburg)  
20:30-22:00 **Dinner**

### ► TUESDAY, APRIL 18<sup>TH</sup>, 2023

- 8:00-9:30 **Departure for Novara, SIMNOVA Laboratory**  
9:30-10:00 **Introduction to the activity of the day**  
Ivana Rabbone (Novara, Italy) and Francesco Della Corte (Novara, Italy)  
10:00-12:15 **Team building activity (SIMNOVA)** (5 groups with 5 Delegates each, 1 mentor and Faculty members) (3 DKA simulations, 25 min each, 2 severe hypoglycemia simulations, 20 min each) (Tutor: Alice Monzani, Novara, Italy)  
12:15-12:30 **Wrap-up**  
Ivana Rabbone (Novara, Italy) and Valentino Cherubini  
12:30-13:00 **DKA: what's new in the literature and 2022 ISPAD guidelines**  
Valentino Cherubini (Ancona, Italy)  
13:00-14:00 **Light lunch**  
14:00-14:30 **Hypoglycemia in children with type 1 diabetes**  
Ivana Rabbone (Novara, Italy)  
14:30-16:15 **Presentation of 10 study projects (10 min each)**  
16:15-16:30 **Break**  
16:30-17:00 **How to read a paper properly and understand if the information you get are useful or not**  
Lars Kroqvold (Oslo, Norway)  
17:00-17:30 **New metrics in practice**  
Riccardo Bonfanti (Milano, Italy)  
17:30-18:15 **The last mile**  
Lorenzo Piemonti (Milan, Italy)  
18:30-20:00 **Free time visiting Novara**  
20:00-22:00 **Dinner**  
22:00- Back to the hotel

## There is no good clinic without good research

### ► WEDNESDAY, APRIL 19<sup>TH</sup>, 2023

- 8:30-9:30 **Jenious: what a young leader group can do for you**  
Agata Chabot (Katowice, Poland) and Claudia Piona (Verona, Italy)  
9:30-10:15 **The technological route to the future**  
Martin Tauschmann (Vienna, Austria)  
10:15-11:30 **Study projects** (5 groups with 5 attendees each and faculty members) *2-3 study projects/group for a total of 10 projects*  
11:30-11:45 **Break**  
11:45-12:30 **Therapy of obese adolescents**  
Claudio Maffei (Verona, Italy)  
12:30-13:00 **Sick days management in children with type 1 diabetes**  
Marco Marigliano (Verona, Italy)  
13:00-14:00 **Light lunch**  
14:00-14:45 **Diabetes and cystic fibrosis guidelines**  
Enza Mozzillo (Naples, Italy)  
14:45-15:45 **How to write a grant or research proposal**  
Dorothy Becker (Pittsburgh, US)  
15:45-16:00 **Break**  
16:00-17:30 **Presentation of 10 case reports (10 min each) and 4 study projects (8 min each) (first part)**  
17:30-20:00 **Presentation of 10 case reports (10 min each) and 4 study projects (8 min each) (second part)**  
20:30-22:00 **Dinner**

### ► THURSDAY, APRIL 20<sup>TH</sup>, 2023

- 8:30-9:15 Lecture  
**Psychological aspects of type 1 diabetes in children and adolescents**  
Katarzyna A. Gajewska (Dublin, Ireland)  
9:15-10:00 **Nutritional aspects of type 1 diabetes (how research helps us to do the right thing)**  
Francesca Annan (London, UK)  
10:00-10:45 **Telemedicine and type 1 diabetes: Where we are and where are we going**  
Tiago dos Santos (Madrid, Spain)  
10:45-11:00 **Break**  
11:00-11:45 **(Advanced) hybrid closed loop or artificial pancreas: Where we are?**  
Andrea Scaramuzza (Cremona, Italy)

## 23<sup>rd</sup> ISPAD SCIENCE SCHOOL FOR PHYSICIANS 2023

- 11:45-12:30 **Adolescent prevention of diabetic complications**  
Loredana Marcovecchio (Cambridge, UK)  
12:30-13:15 **Public health universal access to healthcare**  
David Beran (Geneva, Switzerland)  
13:15-14:00 **Light lunch**  
14:00- **Villa Taranto and its Garden, followed by Lake Maggiore walking and free time, with dinner**

### ► FRIDAY, APRIL 21<sup>ST</sup>, 2023

- 8:30-10:00 Lecture  
**Non autoimmune diabetes (neonatal, MODY, type 2)**  
Dario Iafusco (Napoli, Italy), Fabrizio Barbetti (Rome, Italy), and Maurizio Delvecchio (Bari, Italy)  
10:00-11:00 **How to get published in competitive journals: Do's and Don'ts**  
Richard Donnelly (Nottingham, UK)  
11:00-11:15 **Break**  
11:15-12:00 **Exercise in children with type 1 diabetes: new ideas for research**  
Michael Riddell (Toronto, Canada)  
12:00-13:00 **Case reports** (5 groups with 5 attendees each and faculty members) *2-3 cases/group for a total of 15 cases*  
13:00-14:00 **Light lunch**  
14:00-15:30 **Closing remarks, awardees, and questionnaires**  
Andrea Scaramuzza (Milano, Italy)  
Lars Kroqvold (Oslo, Norway)  
15:30-16:30 Farewell afternoon snack & Departures of Delegates & Faculty