



Validated targeted radiopharmaceuticals are becoming indispensable aids as diagnostics or biomarkers for reducing the time and lowering the cost of discovery of new drug entities in the pharmaceutical industry, especially in oncology.

The main objective of this International Summer School is to acquaint the students with how to perform non-clinical studies for new radiopharmaceutical development and to provide a road map for the preparation and preclinical evaluation and validation of new targeted radiopharmaceuticals.

The International Summer School will include 2 and 1/2 days of lectures with world-renowned experts in radiopharmaceuticals and 4 days of attendance at the International Symposium on Technetium and Other Radiometals in Chemistry and Medicine (TERACHEM 2018) in Bressanone (BZ, Italy).

Attendees of the International Summer School are automatically registered for the International Symposium on Technetium and Other Radiometals in Chemistry and Medicine (TERACHEM 2018) in Bressanone (BZ, Italy).

Registration by  
10 July 2018

[www.lccongressi.com/en/terachem2018/](http://www.lccongressi.com/en/terachem2018/)

### Fees for Summer School

- Student & Postdoc SRS members: € 220,00
- Students & Postdocs: € 220,00

#### Registration fee for Terachem 2018:

- ◇ Student & Postdoc SRS members: € 330,00
- ◇ Students & Postdocs € 400,00

### Organizing Committee

- Cathy S. Cutler (BNL, USA)
- Maria Cecilia Giron (University of Padova, Italy)
- Roger Schibli (ETH Zurich, Switzerland)
- Henry VanBrocklin (UCSF, CA, USA)

#### For any information

[www.dsfarm.unipd.it/corsi/international-summer-school](http://www.dsfarm.unipd.it/corsi/international-summer-school)

[www.srsweb.org/terachem2018](http://www.srsweb.org/terachem2018)

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# TERACHEM2018



## INTERNATIONAL SUMMER SCHOOL

**NON-CLINICAL STUDIES  
FOR NOVEL MEDICINAL PRODUCT  
DEVELOPMENT:  
VALIDATION OF**

**24-26 September 2018, Bressanone, Italy**

**followed by TERACHEM2018  
(26-29 September, Bressanone, Italy)**



SOCIETY OF  
Radiopharmaceutical  
Sciences



**The Third International Symposium  
on Technetium and other Radiometals  
in Chemistry and Medicine**

September 26-29, 2018  
Bressanone (BZ), Italy

## Overview

**Class dates:** 24 –29 September, 2018. The course will be accomplished in one week:

- 24-26 September: Lectures in classroom with world-renowned experts (@University of Padova Campus in Bressanone)
- 26-29 September: Attendance of **TERACHEM2018** and social interactions with world-renowned experts (@Forum Bressanone)

**Number of students:** expected 36 PhD students, PostDocs or young investigators from all over the world).

**Prerequisites:** Graduates from relevant fields of Life Sciences, Chemistry, Biomedical Engineering, Medicine etc. are eligible to join the Summer School.

**Selection criteria:** a first-come-first-serve bases.

**Certificate of attendance:** University of Padova and SRS.

**Registration fee as Summer School Students includes:**

- 2 and 1/2 days of lectures with world-renowned experts
- Booklet with bibliographic materials and lecture presentations
- 4 nights in single room or in double shared room (23-27 Sept.) including breakfast at Major Seminar.

**Please book the 3 additional nights on the on-line registration and accommodation form**

- Attendance to all TERACHEM 2018 Scientific Sessions
- TERACHEM2018 Program Booklet
- Coffees and Lunches throughout Summer School & Symposium (except for lunch on Sept. 26 not included)
- Symposium Trip and Dinner

## Lectures Program

### September 24th, 2018

- h.8.00 *Registration*
- h.8.30 *Welcome & Introduction*
- h.9.00 **Cathy Cutler (BNL, USA)**  
*Radionuclides production and generators*
- h.10.30 Coffee break
- h.10.45 **Carolyn Anderson (University of Pittsburg, USA)**  
*Metal-based radiopharmaceuticals: where are we?*
- h.12.00 **Roger Schibli (ETH, Switzerland)**  
*Metal-based radiopharmaceuticals: nothing new under the sun?*
- h.13.15 Lunch
- h.14.00 **Susanne Geistlich (ETH, Switzerland)**  
*Quality control and radiochemical/chemical purity and formulation*
- h. 15.45 Coffee Break
- h.16.00 **Antonio Rosato (University of Padova, Italy)**  
*Animal models in oncology*

### September 25th, 2018

- h. 8.30 **M. Cecilia Giron (University of Padova, Italy)**  
*In vitro and in vivo pharmacological studies*
- h. 10.30 Coffee break
- h. 10.45 **Sara De Martin (University of Padova, Italy)**  
*Principles of Pharmacokinetics*
- h.13.00 Lunch
- h.14.00 **Sara De Martin & M. Cecilia Giron**  
*Basics of Biomedical Statistics*

- h.15.00 **Henry VanBroklyn (UCSF, USA)**  
*SPECT/PET non-clinical studies and kinetic modeling*
- h.16.30 Coffee Break
- h.16.45 **Raffaella Rossin (Tagworks, The Netherlands)**  
*Imaging and therapy with bio-orthogonal chemistry*

### September 26th, 2018

- h.8.30 **Susanne Geistlich (ETH, Switzerland)**  
*In vitro and in vivo pharmacological studies*
- h.10.30 Coffee break
- h.10.45 **Thomas Quinn (MU, Columbia, USA)**  
*Practical aspects of bringing radiotracers from bench-to-bedside*
- h.12.00 Round Table:  
**C. Anderson, C. Cutler, M.C. Giron, T. Quinn, R. Rossin, R. Schibli, H. VanBroklyn, S. Geistlich**  
*Validation of targeted radiopharmaceuticals*
- h.13.30 Free time
- h. 17.00 Attendance @ TERACHEM 2018

### September 27th, 2018

- h.8.30-18.00 Attendance @ TERACHEM 2018

### September 28th, 2018

- h.8.30-18.00 Attendance @ TERACHEM 2018

### September 29th, 2018

- h.8.30-12.00 Attendance @ TERACHEM 2018 & Focus time with the Instructors
- h.12.00-13.30 Final Test & Student Satisfaction Survey
- h. 14.30-24.00 Symposium Trip and Dinner