

Silvia Regina Rogatto

IRS, Lillebaelt Hospital, Human Genetics

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Educational CV

Educational Background

- 1.1972-1982: Bachelor of Science and Licentiate in Biology from University of São Paulo (USP - BR)
- 2.1983-1986: MSc in Genetics from University of São Paulo (USP - BR).
- 3.1986-1990: PhD in Genetics from University of São Paulo (USP - BR).
- 4.1998-1999: Post-doctoral training in Princess Margaret Hospital, Ontario Cancer Institute, University of Toronto, Canada.
- 5.1987-1993: Assistant Professor, Genetics Department, University of Londrina, PR, BR
- 6.2001- 2012: Assistant Professor, Genetics Department, Universidade Estadual de Sao Paulo (UNESP)
- 7.2008-2016: Senior Scientist, AC Camargo Cancer Center, SP, BR
- 8.2012-2016: Full Professor, Dept Urology, Faculty of Medicine, UNESP-SP, BR
- 9.2016- Full Professor, full time – Clinical Genetics Department, Vejle Hospital, Institute of Regional Health Research, University of Southern Denmark, SDU

Administrative tasks in education

Organized several courses among which stand out:

- Education Improvement Proposal in Genetics for High School (1997-98). Organized by the Brazilian Society of Genetics (BGS). Financial support was granted by CAPES/FAPESP (Financial Agencies supporting Research, BR)
- National Symposium of Molecular Biology Applied to Medicine (2001-2009) (as chairman)
- Genomic, epigenomic and bioinformatic analysis to uncover cancer biomarkers and therapeutic targets (Symposium). May 9th, 2017. Vejle Hospital, Denmark.

Organized the following International schools:

- São Paulo Advanced School of Comparative Oncology (ESPCA) – September 30th to October 7th, 2012. This school had speakers from Canada, France, USA, Japan, Netherlands, Germany, Finland and Denmark.
- International Fall School – April 22nd to April 29th, 2014. This 2-week program was a joint initiative between IRIC scientists (University of Montreal) and researchers from UNESP, Brazil.
- International Network Program – Brazil and Denmark: Role of cancer exosomes in translational research”. Coordinators: Jonna Skov Madsen and Silvia Regina Rogatto, 2017.
- Frontiers in Molecular Oncology, Sao Paulo, Sao Paulo, Brazil, June 8th – 10th, 2018.

Member of Educational Advisory Boards

- Member of the Advisory Board to evaluate Graduate programs from CAPES (Coordenação de Aperfeiçoamento de Pessoal de Nível Superior) - Ministry of Education, BR (2004-2015)
- Advisory Committee of Oncocenter Foundation, FOSP, named by São Paulo State Govern doc. # 209/2004-RUNESP, 2004 - 2008.
- Member of the Advisory Committee of the Graduate Program in Genetics, Biosciences Institute, Sao Paulo State University, UNESP, Botucatu, 2004 - 2006.
- Member of the Advisory Board of Health - Fundação de Amparo a Pesquisa do Estado de São Paulo - FAPESP, 2008 - 2016, SP, BR.

Experience in study programs, supervision and examination

- Supervised/co-supervised 41 MSc, 40 PhD, and 18 postdoctoral students. Was an undergraduate mentor for 34 students. Currently supervising 1 MSc and 2 postdoctoral students.
- Participated as examiner in Dissertation analysis boards for 4 Bachelor students, 42 MSc students and 31 PhD students.

Taught the following courses (1987-2015):

- Bachelor level: Applied Genetics for Odontology, Genetics A, II, III, Human and Medical Genetics, Molecular Genetics, Molecular Cytogenetics of Solid Tumors, Oncology. These courses were taught in the bachelor's degrees of Odontology, Pharmacy, Biochemistry, Veterinary School, Medicine, Biomedicine and Biology. Taught a total of 35 bachelor-level courses since 1987, each course lasting 6 months, and some were given more than once.
- Graduate level: taught a total of 56 graduate-level courses since 1989.

Methods, Materials and Tools

- Use of traditional tools, such as blackboard, PowerPoint slides, and educational videos. Textbooks of excellence and current literature was always used in the classroom. Apart from discussing previous talking points with students, groups were often formed to create a discussion on relevant issues and topics.
- After gaining experience from International Schools, Problem-Based Learning (PBL) was introduced in the classroom, often in small groups. Students were stimulated to analyze scientific articles and critically discuss its main ideas, hypotheses, results and conclusions. These discussions were always supervised, and postdoctoral students were encouraged to participate in such classes.
- Supervision of students is based on individual weekly meetings. A laboratory meeting is conducted weekly as well, with a student/week presenting his or her results. All students and collaborators engage in a critical discussion over the research

performed and are encouraged to bring suggestions. Besides discussing articles of interest recently published, every supervised student has his or her results, tables and figures discussed.

Educational development and applied research into teaching in University (including educational awards)

Received the following awards:

- Best professor for Bachelor students in Biochemistry and Pharmacy (UEL-BR, 1989).
- Coordinator of Graduate program in Genetics (UNESP-BR, 2002).
- Best professor for students from the XXXV Class in Biology (UNESP-BR, 2002).
- Merit for Technical and Scientific Contribution in Assistance for Cancer Patients (AC Camargo Cancer Center-BR, 2003).
- Merit for relevant professional contribution on teaching, research or work in human cytogenetics (Brazilian Society of Genetics, 1st Brazilian meeting in Cytogenetics- BR, 2009).
- Participated in the curriculum review of the BSc degrees of Biology, Medicine and Biomedicine from the University of São Paulo State (1994 - 2015).