

HRSMC Scheme for 2018 - 2020:

	2018	2019	2020
Courses			
Molecular Modeling (3 EC*) The course is intended for PhD students who (consider to) use computational chemistry methods in their experimental research. The aim is to provide participants with enough background and hands-on experience to get started in modelling chemical structures and reactions. <i>(1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2008, 2013, 2016)</i>		X	
Physical Methods in Inorganic Chemistry (2 EC*) The course is intended to provide participants with important applications of various spectroscopic techniques and methods in research in inorganic and organometallic chemistry. <i>(1994, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017)</i>		X	
Photophysics, Photochemistry & Photobiology (3 EC*) This course provides an overview of experimental aspects of optical spectroscopy, and the application to a variety of systems, with examples ranging from inorganic/molecular to biological/medical fields. <i>(1996, 1999, 2001, 2004, 2007, 2010, 2014, 2017)</i>			X
Schools			
Molecular Simulations (3 EC*) The MolSim School provides training in the field of simulation techniques for the study of many-particle (molecular) systems. It targets doctoral and post-doctoral researchers, as well as advanced master students, who want to learn these techniques to study topics in physics, chemistry or biology. <i>(2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017)</i>	8 – 19 Jan.	X	X
EPA Summer School on Photochemistry (2 EC*) The lecturers in this school represent a few of the many branches of modern photochemistry. They are leading experts in areas such as single molecule spectroscopy, molecular photochemical reactivity, nanoparticle spectroscopy, photobiology, time-resolved spectroscopy, organic light emitting materials, and medical photonics. <i>(1998, 2003, 2008, 2012, 2016)</i>			X
Modern Developments in Spectroscopy (2 EC*) Highly qualified scientists present introductory and specialized lectures on various topics in the field of spectroscopic and dynamical studies of molecular systems. The topics range from frequency resolved spectroscopic studies of gaseous biomolecules, time-resolved studies in chemical and biological systems, dynamics in proteins and membranes, photodissociation dynamics, dynamics and control in femtochemistry, and molecular nanophotonics. <i>(2001, 2003, 2006, 2009, 2012, 2015)</i>	3-6 April		
Synthetic Bio-organic Chemistry (2 EC*) During this meeting participants receive high-level education in contemporary synthetic organic chemistry, including biocatalysis and supramolecular chemistry, and with a focus on biological applications. <i>(2001, 2005, 2009, 2013, 2017)</i>			
Advanced Metal-Organic Chemistry and Catalysis (2 EC*) The main purpose of the school is to inform PhD and master students of the latest developments in homogeneous catalysis, organometallic and coordination chemistry. <i>(1998, 2002, 2006, 2010, 2014 – with NIOK)</i>	28 Sept - 1 Oct.		

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Other activities			
Annual Symposium The annual HRSMC symposium is organized for its HRSMC members (PhD students, Postdocs and staff members), MSc students from the HRSMC Excellence Programme and other scientists (from other universities or from the industry). With various poster sessions and guest, PhD, postdoc and staff lectures, it is a unique opportunity to network and to discuss novel trends in chemical research. The symposium usually attracts 140-180 scientists and closes with the lecture of the annual Dick Stufkens prize winner for the most outstanding PhD thesis (1,000 Euro). In 2014, three Nobel laureates spoke at the school's 20th anniversary: Prof. Moerner (2014), Prof. Warshel (2013) and Prof. Hoffmann (1981)	Nov.	Nov. (lustrum)	x
Proposal Writing/Peer Review Workshop (2 EC) The Proposal Writing workshop (4 days) is aimed at graduate research students and post-docs who have some experience in scientific writing and might have taken an introductory workshop on scientific writing. This workshop is most useful to researchers who plan to submit grant proposals. The Peer Review workshop (1 day) is aimed at graduate research students and post-docs who are planning or have submitted a manuscript to a peer-reviewed journal. This workshop is most useful to researchers who are beginning to publish peer-reviewed research. <i>(2015)</i>		x	
KNCV/HRSMC Career Advice Activity For PhD students and postdocs, an afternoon with various lectures regarding career possibilities and job-application. In addition, each participant gets 30 min. quality time with a career consultant. <i>(2010, 2012, 2013, 2015)</i>	31 Jan.		x
Lab visit Theme 2 Within HRSMC Research Theme 2, Photochemistry and (Laser) Spectroscopy, a lot of specialised equipment is used. Therefore, lab visits are organized to share expertise and knowledge, and to stimulate collaboration. <i>(2011, 2014, 2016)</i>	x		
Introduction activity for first years	x	x	x
Social activity for all PhD/PD	After Symposium	x	
Sustainability Workshop (HRSMC-HIMS)	x		

* for PhD students (there are different criteria for MSc students)

More detailed information about the Schools and Courses can be found on:

<http://www.hrsmc.nl/education/overview.html>