

C U R R I C U L U M V I T A E

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PERSONAL DETAILS

Date and Place of Birth	16 / 12 / 1976, Neuchâtel, Switzerland.
Nationality	Swiss.
Marital Status	Married.
Languages	French (mother tongue), English (fluent), German (fluent).

PROFESSIONAL POSITIONS

a) Faculty

Since 2016	Principal Investigator , Chimie ParisTech, Paris Sciences & Lettres Research University.
2016	Offer for an Associate Professorship in Inorganic Chemistry , University of Fribourg (Switzerland). <i>Declined</i> .
2015	Offer for an Associate Professorship in Medicinal Chemistry , University of Hamburg (Germany). <i>Declined</i> .
2011-2016	Swiss National Science Foundation Assistant Professor , Department of Chemistry, University of Zurich (Switzerland).
2010-2011	Swiss National Science Foundation Ambizione Research Fellow , Institute of Inorganic Chemistry, University of Zurich (Switzerland).

b) Post-doctorate

2007-2009	Alexander von Humboldt Post-Doctoral Research Fellow in the group of Prof. Nils Metzler-Nolte, Ruhr-University Bochum (Germany).
2006	Exchange Post-doctoral Research Fellow in the group of Dr Holger Stephan, Helmholtz Research Centre Dresden-Rossendorf (Germany).
2004-2007	Swiss National Science Foundation Post-doctoral Research Fellow in the group of Prof. Leone Spiccia, Monash University (Australia).

c) Industrial

2000-2001	Research Chemist at Lonza Ltd., Research and Development Division, Visp (Switzerland).
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EDUCATION

2003	ERASMUS exchange PhD Student with Dr J.H.R. Tucker, University of Exeter (UK) (now at the University of Birmingham).
2001- 2004	PhD Student in the group of Prof. Helen Stoeckli-Evans, University of Neuchâtel (Switzerland).
1995- 2000	Chemistry Student , University of Neuchâtel (Switzerland).

AWARDS / FELLOWSHIPS

- 2018 **EuroBIC Medal Award** for work in Bioinorganic Chemistry.
- 2016 **Ernest Th. Jucker Prize** from the Ernest Th. Jucker Foundation for research against cancer.
- 2016 **PSL Chair of Excellence Program Grant.**
- 2016 **Top 10 Outstanding Reviewer for Chem. Sci.** in 2016 – see this [link](#).
- 2016 **2016 J. Med. Chem Award** for the highly cited Article of 2014.
- 2016 **Thieme Chemistry Journal Award.**
- 2015 **ERC Consolidator Grant** (2'000'000 €).
- 2015 **Werner Prize** from the Swiss Chemical Society for outstanding independent chemical research.
- 2015 Inclusion in the **ACS Select Virtual List** of one of the 20 **Emerging Investigators in Bioinorganic Chemistry.**
- 2014 Extension of a **Swiss National Science Foundation Professorship** (CHF 690'978.-).
- 2013 **2013 J. Med. Chem Award** for the highly cited Perspective of 2011.
- 2011 **Swiss National Science Foundation Professorship** (CHF 1'517'692.-).
- 2010 **Rubitec Award** for the best patent application at the Ruhr-University Bochum (Germany) in 2009.
- 2009 **Swiss National Science Foundation Ambizione Research Fellowship** (CHF 448'341.-).
- 2008 Extension of an **Alexander von Humboldt Research Fellowship.**
- 2007 **Alexander von Humboldt Research Fellowship.**
- 2004 **Swiss National Science Foundation Fellowship for Prospective Researchers.**
- 2004 **Syngenta Award** for the best PhD Thesis in Chemistry of the University of Neuchâtel in 2004 (Switzerland).
- 2000 **Jean Landry Award** of the University of Neuchâtel for Excellence in the MSc. Hons. in Chemistry (Switzerland).
- 2000 **Jürg Engi Award** of the University of Neuchâtel for the student with the best marks in organic chemistry (Switzerland).

RESEARCH GRANTS

- 2017-2018 **France-Stanford Centre Collaborative Project** for the Project “Novel Theranostic Agents for Imaging in the near-Infrared-II Region and for Photodynamic Therapy” (€ 7'500.-).
- 2017-2018 **New York University-PSL International Collaborative Project** for the Project “Targeting and Inhibition of Deacetylases with Photosensitizer-Aptamer Conjugates” (€ 10'000.-).
- 2015-2016 Extension of the **UBS Promedica Stiftung Research Grant** for the Project “Metallocenyl Antifungal Agents” (CHF 120'000.-).
- 2015-2018 **Swiss National Science Foundation Research Grant** for the Project “Novel Multidentate Bifunctional Chelating Agents for the Development of Zirconium-89 Based Molecular Imaging Probes” (CHF 350'000.-).
- 2014-2015 **UBS Promedica Stiftung Research Grant** for the Project “Metallocenyl Antifungal Agents” (CHF 110'000.-).
- 2013 **Alfred Werner Research Equipment Grant** (CHF 32'400.-).

- 2013-2016** *Stiftung für wissenschaftliche Forschung Research Grant* for the Project “Towards the Development of Metal-Based Antiparasitic Drug Candidates for the Livestock Industry” (CHF 23'081.-).
- 2013-2014** *Swiss National Science Foundation Research Grant* for the Project “Photo-Induced Uncaging of Metal Complexes in Living Cells” (CHF 66'720.-).
- 2013-2014** *Novartis Jubilee Foundation Research Grant* for the project “Towards Metallocene-Based Antifungal Agents” (CHF 50'000.-).
- 2012** *Alfred Werner Research Equipment Grant* (CHF 16'690.-).
- 2011** *Alfred Werner Research Equipment Grant* (CHF 14'464.-).
- 2010** *Alfred Werner Research Equipment Grant* (CHF 24'638.-).
- 2010-2013** *Swiss National Science Foundation Research Grant* for the Project “Photo-Induced Uncaging of Metal Complexes in Living Cells” (CHF 197'244.-).

TEACHING AND STUDENT EVALUATION

- Since 2018** Lecturing at the Master of Chemistry of Chimie ParisTech.
Duties: Preparing, lecturing (part of) and coordinating the subject “*Analytical and Biological Chemistry*” to MSc students.
- Since 2017** Lecturing at the Master of Chemistry of Ecole Polytechnique.
Duties: Preparing, lecturing (part of) the subject “*Medicinal Inorganic Chemistry*” to MSc students.
- Since 2016** Lecturing at the Master of Chemistry of Paris-Centre.
Duties: Preparing and lecturing part of the subject “*Biologie Chimique: Chimie des Processus Biologiques*” (UE 5C407) to MSc students.
- 2015** Invited Lecturer at Sun Yat-Sen University (Guangzhou, China).
Duties: Preparing and lecturing the subject “*Medicinal Inorganic Chemistry*” to BSc students.
- Since 2014** Lecturing at the Swiss Federal Institute of Technology Zurich (Switzerland).
Duties: Preparing and lecturing part of the subject “*Vertiefte Grundlagen der Chemie A*” to chemistry teachers.
- Since 2012** Lecturing at the University of Zurich (Switzerland)
Duties: Preparing, lecturing (part of) and coordinating the subject “*Inorganic Chemistry V – Bioinorganic Chemistry*” to BSc students.
- Since 2010** Lecturing at the University of Zurich (Switzerland).
Duties: Preparing and lecturing the subject “*Medicinal Inorganic Chemistry*” to MSc students.
- 2006** Lecturing at the Victorian College of Pharmacy, Monash University (Australia)
Duties: Preparing and lecturing the subject “*Coordination Chemistry and Inorganic Medicinal Chemistry*” to 2nd year Undergraduate students.
Student Evaluation: 4.7 / 5.0.
- 1995-2004** Science and sports teacher in a secondary school, Peseux (Switzerland).
Duties: Teaching chemistry, mathematics, informatics, biology and unihockey.

SCIENTIFIC SERVICES AND ORGANISATION

- Since 2017** President of the European Platform for Photomedicine (EPPM).
- 2016** International Advisory Board Member of the International Symposium on Bioorganometallic Chemistry (ISBOMC).
- 2016** Editorial board member of *Inorganics*.

- 2016** Scientific Committee Organiser of the International Symposium on Bioorganometallic Chemistry (ISBOMC) held in Moscow (Russia).
- Since 2015** Editorial Advisory Board Member of *ChemBioChem*.
- Since 2015** Vice-President of the European Platform for Photomedicine (EPPM).
- Since 2014** Editorial board member of *Photodiagnosis and Photodynamic Therapy*.
- 2014** Co-organiser of the *Young Faculty Meeting* held in Berne in 2014.
- 2014** Local organiser of the *European Conference on Bioinorganic Chemistry* held in Zurich in 2014.
- Since 2013** Review editor for *Frontiers in Inorganic Chemistry* (Nature publisher).
- Since 2010** Active reviewer for numerous peer-reviewed journals such as *Nature Chem.*, *Nature Commun.*, *Nature Protocols*, *J. Am. Chem. Soc.*, *Angew. Chem. Int. Ed.*, *ACS Nano*, *Chem. Sci.*, etc.
- Since 2010** External expert for numerous funding agencies such as the *Swiss National Science Foundation (SNSF)*, the *Swiss Academy of Engineering Sciences*, the *German Research Foundation (DFG)*, the *UK Medical Research Council*, the *French National Research Agency (ANR)*, the *Netherlands Organisation for Scientific Research (NWO)*, the *Natural Sciences and Engineering Research Council of Canada (NSERC)*, the *Genesis Oncology Trust New Zealand*, the *Innovation and Technology Commission (ITC) of Hong Kong*, the *South African National Research Funding Agency*, the *National Science Centre Poland*, the *Fundação para a Ciência e a Tecnologia Portugal (FCT)*, etc.
- Since 2010** External PhD thesis examiner at the *University of Basel* (Switzerland), the *University of Fribourg* (Switzerland), the *University of Neuchâtel* (Switzerland), the *Ecole Nationale Supérieure de Chimie de Paris* (France), the *University of Lille 2* (France), the *University of Strasbourg* (France), the *University of Burgundy* (France), *Monash University* (Australia), the *Ruhr-University Bochum* (Germany), *Trieste University* (Italy), *Royal College of Surgeons in Dublin* (Ireland), and the *University of Cape Town* (South Africa).

RESEARCH INTERESTS

Medicinal Organometallic Chemistry, Anticancer and Antiparasitical Drug Development, Inorganic Chemical Biology, Phototherapy, Bioorganometallic Chemistry.

RESEARCH GROUP (CURRENT MEMBERS)

- Post-docs:** Dr. Maggie Aulsebrook (07/2017-current), Dr. Uttara Basu (09/2017-current), Dr. Yih Ching Ong (10/2017-current).
- PhD Students:** Johannes Karges (11/2017-current), Franz Heinemann (11/2017-current), Anna Notaro (01/2017-current), Patrick Felder (02/2017-current), Marta Jakubaszek (04/2017-current), Marie Flamme (10/2017-current), Nancy Soliman (10/2017-current).
- Bsc/Msc Students:** Emma Clarke (09/2017-current), Germain Martinez (01/2018-current), Clara Berg (02/2018-current), Chloé Subecz (01/2018-current).

RESEARCH GROUP (FORMER MEMBERS)

- Post-docs:** Dr. Tanmaya Joshi (08/2012-10/2013), Dr. Malay Patra (08/2011-09/2013), Dr. Giuseppe Martano (04/2014-10/2014), Dr. Rangasamy Loganathan (09/2014-09/2015), Dr. Konstantis Konidaris (09/2014-09/2015), Dr. Vanessa Pierroz (05/2015-12/2015), Dr. Riccardo Rubbiani (04/2013-11/2015), Dr. Saonli Roy (06/2016-02/2017), Dr. Phuc Ung (04/2015-06/2017), Dr. Malay Patra (12/2015-08.2017).

PhD Students: Dr. Anna Leonidova (08/2010- 08/2014), Dr. Philipp Anstatt (04/2011-09/2014), Dr. Vanessa Pierroz (04/2011-04/2015), Dr. Cristina Mari (06/2011-06/2015), Dr. Huaiyi Huang (08/2015-05/2016), Dr. Jeannine Hess (01/2012-06/2016).

Master Students: Jeannine Hess (02/2011-12/2011), Sandro Konatschnig (02/2012-04/2013), Angelo Frei (02/2013-12/2013), Assia Nouar (04/2014-09/2014), Lea Gemperle (02/2014-12/2014), Sandra Morard (02/2014-12/2014), Seraina Hügli (05/2014-09/2015), Elisa Fusini (02/2015-12/2015), Luciano Mastrobuoni (02/2015-12/2015), Faustine d'Orchymont (01/2016-07/2016), Franz Heinemann (01/2016-08/2016), Severin Jeger (02/2016-12/2016), Severin Koch (02/2016-12/2016), Ryad Karda (01/2017-07/2017), Scandeur Dakhlaoui (02/2017-07/2017), Michèle Clerc (02/2017-01/2018)

MAIN COLLABORATIONS (IN ALPHABETICAL ORDER)

- Prof. Carlo Adamo, Chimie ParisTech, France. *DFT Calculations*.
- Dr. Olivier Blacque, University of Zurich, Switzerland. *X-ray Crystallography*.
- Prof. Hui Chao, Sun Yat-Sen University, China. *2P-PDT*.
- Dr. Ilaria Ciofini, Chimie ParisTech, France. *DFT Calculations*.
- PD Stefano Ferrari, University of Zurich, Switzerland. *Biological Evaluation of Metal Complexes on Cancer Cells*.
- Prof. Robin Gasser, University of Melbourne, Australia. *Biological Evaluation of Metal Complexes on Parasites*.
- Dr. Bim Graham, Monash University, Australia. *Synthesis of Upconverting Nanoparticles*.
- Dr. Marcel Hollenstein, Pasteur Institute (Paris), France. *Preparation of novel Ru-containing aptamers*.
- Prof. Jennifer Keiser, Swiss Tropical Institute, Basel, Switzerland. *Biological Evaluation of Metal Complexes on Parasites*.
- Prof. Caroline Maake, University of Zurich, Switzerland. *Biological Evaluation of Metal Complexes on Tumor Models*.
- Prof. Thomas Mindt, ETH Zurich, Switzerland. *Synthesis of new chelators for ⁸⁹Zr labelling*.
- Prof. Clotilde Policar, PSL – Ecole Normale Supérieure, Paris, *Bioimaging*.
- Prof. Bernhard Spingler, University of Zurich, Switzerland, *Biological Evaluation of novel PDT Photosensitizers*.
- Dr. Holger Stephan, Helmholtz Research Centre Dresden-Rossendorf, Germany. *Radiolabelling and Biological Evaluation of Metal-Bioconjugates*.
- Prof. Christophe Thomas, Chimie ParisTech, France, *Delivery of PDT Photosensitizers*.
- Dr. Kristof Zarschler, Helmholtz Research Centre Dresden-Rossendorf, Germany. *Radiolabelling and Biological Evaluation of Metal-Bioconjugates*.

INVITED TALKS

14 keynote speaker invitations, 41 invited talks at universities/Companies and 26 offered talks at conferences.

a) Keynote Speaker Invitations at Conferences/Summer Schools

- 1) “*Organometallic Compounds against Human and Livestock Animal Parasitic Diseases*”, COST Meeting Chemotherapy Towards Diseases Caused by Endoparasites, Lausanne (Switzerland), October 2017
- 2) “*Metal Complexes as Photosensitizers in Photodynamic Therapy*”, SolChem Conference 2017, Ulm (Germany), October 2017.

- 3) *"Towards the Use of Ru(II) Polypyridyl Complexes as Photosensitizers in One-Photon and Two-Photon Photodynamic Therapy"*, Gordon Conference on Photochemistry, Maine (US), July 2017.
- 4) *"Organometallic Compounds against Human and Livestock Animal Parasitic Diseases"*, International Symposium on Bioorganometallic Chemistry (ISBOMC 2016), Moscow (Russia), September 2016.
- 5) *"Bioorganometallic Chemistry to fight Schistosomiasis"*, 27th International Conference on Organometallic Chemistry (ICOMC 2016), Melbourne (Australia), July 2016.
- 6) *"Metal Complexes as Phototoxic Anticancer Agents"*, Gordon Conference on Metals in Medicine, New Hampshire (US), June 2016.
- 7) *"Metal Complexes in Medicinal Chemistry"*, Summer School in Supramolecular Chemistry, Borovets (Bulgaria), June 2016.
- 8) *"Towards the Selective Photo-Release of Organometallic-based Enzyme Inhibitors in Living Cells"*, BioChem Forum, Strasbourg (France), June 2016.
- 9) *"Towards Organometallic Antischistosomal Candidates"*, 21th European Association for Chemical and Molecular Sciences Conference on Organometallic Chemistry (EuCOMC XXI), Bratislava (Slovakia), July 2015.
- 10) *"New Perspectives in the use of Metal Complexes in Medicinal Chemistry"*, Swiss Chemical Society Meeting, Basel (Switzerland), April 2015.
- 11) *"Novel Opportunities in PDT using Metal Complexes"*, The International Congress on Photodynamic Applications, Dundee (Scotland), May 2014.
- 12) *"Metal Complexes in Photodynamic Therapy"*, 5th International Meeting of the European Platform for Photodynamic Medicine, Ustron (Poland), November 2013.
- 13) *"Novel Concepts in Medicinal Inorganic Chemistry"*, Young Faculty Meeting, Bern (Switzerland), June 2012.
- 14) *"A Journey through the Preparation and Biological Applications of Metal-Containing Peptide Nucleic Acids"*, XXVI edition of the symposium "New Trends in Organic Synthesis", University of Milan (Italy), November 2011.

b) Invited Talks at Universities/Companies

- 1) *"Metal Complexes in Medicinal Chemistry"* Laboratoire de Chimie de Coordination de Toulouse (F), February 2018.
- 2) *"Metal Complexes in Medicinal Chemistry"* Ecole Normale Supérieure de Lyon (F), February 2018.
- 3) *"Metal Complexes as Photosensitizers in Photodynamic Therapy"* University of Reading (UK), July 2017.
- 4) *"Metal Compounds in Medicinal Chemistry"*, University of Sussex (UK), April 2017.
- 5) *"Metal Complexes in Medicinal Chemistry"*, University of Zurich (Switzerland), *Ernest Th. Jucker Prize Ceremony*, April 2017.
- 6) *"Metal Complexes in Medicinal Chemistry"*, Paris Descartes University (France), February 2017.
- 7) *"Metal Complexes in Medicinal Chemistry"*, Chimie ParisTech (France), December 2016.
- 8) *"Combination of Light and Metal Complexes to kill Cancer Cells and Bacteria"*, University of Sydney (Australia), July 2016.
- 9) *"Lightening up Metal Complexes to kill Cancer Cells and Bacteria"*, Monash Institute of Pharmaceutical Sciences (Australia), July 2016.
- 10) *"Metal Complexes, Light, Anticancer Action!"*, National University of Singapore (Singapore), July 2016.

- 11) *"Combination of Light and Metal Complexes to fight Cancer!"*, Nanyang Technological University (Singapore), July 2016.
- 12) *"Lightening up Metal Complexes to kill Cancer Cells and Bacteria!"*, University of Galway (Ireland), April 2016.
- 13) *"New Insights in the Use of Metal Complexes in Medicinal Chemistry"*, University Pierre et Marie Curie, (France), April 2016.
- 14) *"Lightening up Metal Complexes to kill Cancer Cells and Bacteria!"*, BASF, Basel (Switzerland), January 2016.
- 15) *"Metal Complexes, Light, Anticancer Action!"*, University of Fribourg, (Switzerland), October 2015.
- 16) *"Metal Complexes, Light, Anticancer Action!"*, Swiss Federal Institute of Technology Zurich, (Switzerland), September 2015.
- 17) *"Metals and Medicine: a Successful Combination"*, University of Basel, (Switzerland), August 2015.
- 18) *"New Perspectives in the Use of Metal Complexes in Medicinal Chemistry"*, Helmholtz-Zentrum Dresden-Rossendorf (Germany), July 2015.
- 19) *"Towards the Use of Ru(II) and Re(I) Complexes as Anticancer Agents"*, Sun Yat-Sen University (China), January 2015.
- 20) *"Metal Complexes, Light, Anticancer Action!"*, University of Hamburg (Germany), December 2015.
- 21) *"Towards the Use of Ru(II) and Re(I) Complexes as Anticancer Agents"*, University of Belgrade (Serbia), September 2014.
- 22) *"Novel Strategies in Photodynamic Therapy using Metal Complexes"*, University of Macau (Macau), May 2014.
- 23) *"Phototherapy with Metal Complexes"*, University of Leiden (the Netherlands), March 2014
- 24) *"Metal Complexes in Medicinal Chemistry"*, Institute of Anatomy, University of Zurich (Switzerland), December 2013.
- 25) *"New Progresses in the Development of Antiparasitic Drug Candidates"*, Ecole Nationale Supérieure de Chimie (France), September 2013.
- 26) *"Novel Opportunities in Chemical Biology and Nanoscience with Metal-Containing Peptide Nucleic Acids"*, University of Wollongong (Australia), January 2013.
- 27) *"In vitro and in vivo Investigations of novel Metal-Based Antiparasitic and Anticancer Drug Candidates"*, Monash University (Australia), February 2013.
- 28) *"Towards Novel Metal-Based Antiparasitica and Anticancer Drug Candidates"*, University of Sydney (Australia), January 2013.
- 29) *"In Vitro and in Vivo Evaluation of Metal-Based Anthelmintic and Anticancer Drug Candidates"*, University of Melbourne (Australia), January 2013.
- 30) *"Preparation and Biological Evaluation of Novel Anthelmintic and Anticancer Metal-Based Candidates"*, Ruhr-University Bochum (Germany), November 2012.
- 31) *"Mitochondria-mediated Apoptosis as Mode of Action for a Novel Ru(II) Complex"*, University of Lille 1 (France), September 2012.
- 32) *"Metal Complexes for Medicinal Applications"*, Helmholtz-Zentrum Dresden-Rossendorf (Germany), August 2012.
- 33) *"Novel Anticancer Ru(II) and Re(I) Agents: Towards the Elucidation of their Mechanism of Action"*, University of Auckland (New Zealand), January 2012.
- 34) *"A Journey through the Preparation and Biological Applications of Metal-Containing Peptide Nucleic Acids"*, University of Birmingham (England), June 2011.
- 35) *"A Journey through the Preparation and Biological Applications of Metal-Containing Peptide Nucleic Acids"*, Technical University Braunschweig (Germany), December 2010.

- 36) *“Biological Applications of Metal-Containing Peptide Nucleic Acids”*, Helmholtz-Zentrum Dresden-Rossendorf (Germany), October 2009.
- 37) *“Metal Complexes containing Peptide Nucleic Acids for Medicinal and Biosensing Applications”*, University of Neuchâtel (Switzerland), October 2008.
- 38) *“Metal Complexes containing Peptide Nucleic Acids for Medicinal and Biosensing Applications”*, University of Zurich (Switzerland), October 2008.
- 39) *“Modified Peptide Nucleic Acids for Medicinal Applications”*, Helmholtz-Zentrum Dresden-Rossendorf (Germany), November 2007.
- 40) *“Use of Ferrocenyl Complexes and Peptide Nucleic Acids for Different Biological Applications”*, Helmholtz-Zentrum Dresden-Rossendorf (Germany), October 2006.
- 41) *“Signalling and Controlling Guest Complexation using New Ligand Derivatives of Ferrocene as Redox-active Supramolecular Receptors”*, Monash University (Australia), October 2004.

c) Offered Talks at International Conferences

- 1) *“Metal Complexes as Photosensitizers in Photodynamic Therapy”*, 22nd International Symposium on Photochemistry and Photophysics of Coordination Compounds, Oxford (UK), July 2017.
- 2) *“Metal Complexes as Photosensitizers in Photodynamic Therapy”*, 14th International Symposium on Applied Bioinorganic Chemistry, Toulouse (France), June 2017.
- 3) *“Organometallic Compounds against Human and Livestock Animal Parasitic Diseases”*, FrenchBIC, Toulouse (France), June 2017.
- 4) *“Ru(II) Polypyridyl Complexes in (2-Photon Excitation) Photodynamic Therapy”*, Excited States in Complex Systems, Paris (France), November 2016.
- 5) *“Ru(II) Polypyridyl Complexes as Photosensitizers in (Two-Photon Excitation) Photodynamic Therapy”*, Photodynamic Therapy & Photodiagnosis (PDT PDD) Symposium, Nancy (France), October 2016.
- 6) *“Selective Photo-release of Organometallic-containing Enzyme Inhibitors”*, 4th Whole Action Meeting of the COST Action CM1105, Palma de Mallorca (Spain), April 2016.
- 7) *“Towards the Use of Ru(II) Polypyridyl Complexes as Photosensitizers in Photodynamic Therapy”*, 1st International Symposium on Clinical and Experimental Metallodrugs in Medicine: Cancer Chemotherapy (CEMM), Honolulu (USA), December 2015.
- 8) *“Evaluation of novel Ru(II) Polypyridyl Complexes as Photosensitizers in Photodynamic Therapy”*, COST Meeting, Belgrade (Serbia), September 2015.
- 9) *“Ru(II) Polypyridyl Complexes as potent Photosensitizers in Photodynamic Therapy”*, ACS Conference – Fall Meeting, Boston (USA), September 2015.
- 10) *“Ru(II) Complexes as potent Photosensitizers in Photodynamic Therapy”*, International Photodynamic Association Conference, Rio de Janeiro (Brazil), May 2015.
- 11) *“Phototoxic Metal Bioconjugates with a Dual Mode of Action”*, COST Meeting, Zurich (Switzerland), August 2014.
- 12) *“Organometallic Compounds to fight Schistosomiasis”*, International Symposium on Bioorganometallic Chemistry, Vienna (Austria), July 2014.
- 13) *“Towards Novel the Use of Re(I) and Ru(II) in Photodynamic Therapy”*, The International Congress on Photodynamic Applications, Dundee (Scotland), May 2014.
- 14) *“Photodelivery of Cytotoxic Metal Complexes in Living Cells”*, COST Meeting, Madrid (Spain), April 2014.
- 15) *“Towards the Use of Re^I and Ru^{II} Complexes as Photosensitizers in Photodynamic Therapy”*, Swiss-Kyoto Symposium, Zurich (Switzerland), November 2013.

- 16) *"Towards Novel the Use of Re(I) and Ru(II) in Photodynamic Therapy"*, WHAM Meeting, Barcelona (Spain), September 2013.
- 17) *"Towards Novel Organometallic-Based Anthelmintic Drug Candidates"*, International Conference on Biological Inorganic Chemistry, Grenoble (France), July 2013.
- 18) *"Towards the Elucidation of the Mechanism of Action of an inert Ruthenium Anticancer Drug Candidate"*, ACS Conference – Spring Meeting, New Orleans (USA), April 2013.
- 19) *"Towards Novel Metal-Based Anthelmintic and Anticancer Drug Candidates"*, COST Action Meeting CM 1105, Groningen (The Netherlands), February 2013.
- 20) *"Novel Anticancer Ru(II) agents: Towards the Elucidation of their Mechanism of Action"*, WHAM Meeting, Granada (Spain), September 2012.
- 21) *"(Multi)-Ferrocene-Containing Peptide Nucleic Acid Bioconjugates"*, Ferrocene Colloquium, Braunschweig (Germany), February 2012.
- 22) *"Preparation and Biological Applications of novel Organometallic-Containing Peptide Nucleic Acids"*, International Conference on Biological Inorganic Chemistry, Vancouver (Canada), August 2011.
- 23) *"Multi-Organometallic-Containing PNAs: Preparation and Biological Applications"*, International Symposium on Bioorganometallic Chemistry, Bochum (Germany), July 2010.
- 24) *"Ferrocenyl Metal Complexes for Electrochemical Detection of DNA Nucleosides and Anions"*, Ferrocene Colloquium, Prague (Czech Republic), February 2008.
- 25) *"Recognition of Thymine and related Nucleosides by a Zn^{II}-Cyclen Complex bearing a Ferrocenyl Pendant"*, International Conference of Coordination Chemistry", Cape Town (South Africa), August 2006.
- 26) *"Towards Electrochemical Detection of Specific DNA/RNA Strands with Peptide Nucleic Acids bearing a Ferrocenyl Moiety"*, ARC Centre of Excellence for Electromaterials Science Workshop, Melbourne (Australia), May 2006.

AFFILIATIONS

- Swiss Chemical Society.
- American Chemical Society.
- Society of Biological Inorganic Chemistry.
- International Photodynamic Association.
- European Platform for Photodynamic Medicine.
- COST Action CM1105 (Functional Metal Complexes that Bind to Biomolecules).
- Société de Chimie Thérapeutique.

SPORTING ACHIEVEMENTS

Snowboarding	Qualified Snowboard Instructor.
Unihockey as player	Semi-finalist in the Swiss Cup (2003). Quarter finalist in the Swiss Cup (2002 and 2004). Promotion from 4 th to 3 rd Division of the Swiss League (1999). Promotion from 3 rd to 2 nd Division of the Swiss League (2001). Promotion from 2 nd to 1 st Division of the Swiss League (2003).
Unihockey as coach	Qualified Floorball Coach. Australian Champion with the Victorian Women's Team (2006). Victorian Men's State Trainer (2005). Semi-finalist in the Swiss Cup (2003). Quarter finalist in the Swiss Cup (2004). Promotion from 2 nd to 1 st Division of the Swiss League (2003).

REFEREES

1. Prof. Roger Alberto
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2. Prof. Nils Metzler-Nolte
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3. Prof. Helen Stoeckli-Evans
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University of Neuchâtel
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Switzerland
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✉ helen.stoeckli-evans@unine.ch

PUBLICATIONS

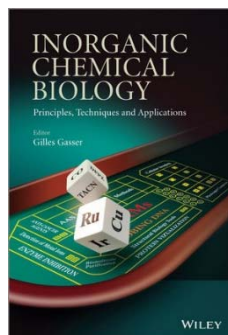
Author of 1 book, 5 book chapters, 16 reviews, >100 articles, 9 patent applications and 7 patents (www.gassergroup.com for a full list). Current *h* index: 32. Total Citations: > 4250.

5 Key Publications

1. V. Pierroz, T. Joshi, A. Leonidova, C. Mari, J. Schur, I. Ott, L. Spiccia, S. Ferrari and **G. Gasser**,* *J. Am. Chem. Soc.* **2012**, *134*, 20376-20387.
2. T. Joshi, V. Pierroz, C. Mari, L. Gemperle, S. Ferrari and **G. Gasser**,* *Angew. Chem. Int. Ed.* **2014**, *53*, 2960-2963.
3. P. Anstaett, Y. Zheng, T. Thai, A.M. Funston, U. Bach and **G. Gasser**,* *Angew. Chem. Int. Ed.* **2013**, *52*, 4217-4220.
4. A. Leonidova, V. Pierroz, R. Rubbiani, Y. Lan, A.G. Schmitz, A. Kaech, R.K.O. Sigel, S. Ferrari and **G. Gasser**,* *Chem. Sci.* **2014**, *5*, 4044-4056. **OPEN ACCESS**
5. A. Leonidova, C. Foerster, K. Zarschler, M. Schubert, H.-J. Pietzsch, J. Steinbach, R. Bergmann, N. Metzler-Nolte, H. Stephan* and **G. Gasser**,* *Chem. Sci.*, **2015**, *6*, 5601-5616. **OPEN ACCESS**

Book

1. **Inorganic Chemical Biology: Principles, Techniques and Applications**
G. Gasser (Ed.),
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