Curriculum Vitae		
Surname/ First name(s)	Elicopya Synthese V	
Current working address	A-7030-2010	
Current working address	Rue Charles Sadron F-45071 Orléans (France)	
Telephone	+33 2 38 25 56 52	
E-mail	svetlana.eliseeva@cnrs-orleans.fr	
Education and training		
Dates	01 November 2003 - 31 December 2006	
Title of qualification awarded	Candidate of sciences diploma (equivalent of PhD)	
Principal subjects / occupational skills covered	Thesis title: "Synthesis, structure and photophysical properties of rare-earths aromatic carboxylates and $\beta$ -diketonates". Supervisor: Prof. Natalia P. Kuzmina	
Name and type of organisation providing education and training	Department of Chemistry, Lomonosov Moscow State University 1-3, Leninskie Gory, 119991 Moscow (Russian Federation)	
Dates	01 September 1998 - 30 June 2003	
Title of qualification awarded	Specialist diploma (with honours) in Chemistry (equivalent of Master)	
Name and type of organisation providing education and training	Department of Chemistry, Lomonosov Moscow State University 1-3, Leninskie Gory, 119991 Moscow (Russian Federation)	
Dates	01 March 2005 - 31 March 2005	
Title of qualification awarded	Certificate	
Principal subjects / occupational skills covered	Theoretical and experimental principles of X-ray single crystal analysis including solving and refinement of crystal structures	
Name and type of organisation providing education and training	Prof.Vadim G. Kessler, Department of Chemistry, Swedish University of Agricultural Sciences P.O. BOX 7015, 750 07 Uppsala (Sweden)	
Research experience		
Dates	01 February 2015 – till present	
Occupation or position held	Associate scientist 1st class (Chargé de recherche premier class)	
Main activities and responsibilities	Creation (design, characterization and use) of lanthanide-based luminescent bioprobes for imaging applications. Measurements and analysis of photophysical data. Luminescent macro- and microscopy.	
Name and address of employer	Centre de Biophysique Moléculaire CNRS, UPR 4301 Rue Charles Sadron, F-45071 Orléans (France)	
Dates	01 May 2013 – 31 January 2015	
Occupation or position held	Marie Curie Fellow (IEF DENDRIMAGE)	
Main activities and responsibilities	Creation (design, characterization and use) of lanthanide-based luminescent bioprobes for imaging applications. Measurements and analysis of photophysical data. Luminescent macro- and microscopy.	
Name and address of employer	Prof. Stephane Petoud, Centre de Biophysique Moléculaire CNRS, UPR 4301 Rue Charles Sadron, F-45071 Orléans (France)	
Dates	19 September 2011 - 30 April 2013	
Occupation or position held	Le STUDIUM <sup>®</sup> researcher	
Main activities and responsibilities	Creation (design, characterization and use) of lanthanide-based luminescent bioprobes for imaging applications. Measurements and analysis of photophysical data. Luminescent macro- and microscopy.	

Name and address of employer	Le STUDIUM <sup>®</sup> , Institute for Advanced Studies, Orléans & Tours (France) Prof. Stephane Petoud, Centre de Biophysique Moléculaire CNRS, UPR 4301 Rue Charles Sadron, F-45071 Orléans (France)		
Dates	02 August 2010 – 31 July 2011		
Occupation or position held	Postdoctoral fellow (FWO grant)		
Main activities and responsibilities	Research on the project "Heteropolymetallic f-d complexes as contrast agents for multimodal imaging: synthesis and spectroscopic properties"; co-supervision of PhD and MSc projects. Responsible of spectroscopic equipment in the laboratory; training of users.		
Name and address of employer	Profs. Koen Binnemans and Tatjana Parac-Vogt, Laboratory of Coordination Chemistry, Department of Chemistry, Katholieke Universiteit Leuven Celestijnenlaan 200F – bus 2404, B-3001 Heverlee (Belgium)		
Dates	01 January 2009 –30 June 2010		
Occupation or position held	Scientific collaborator		
Main activities and responsibilities	Synthesis (water-in-oil microemulsion technique) and complete investigation (SEM, TEM, IR spectroscopy, photophysical properties) of dye-containing silica nanoparticles suitable for biological applications, ELISA technique.		
	Development of highly luminescent $\beta$ -diketonates for application in OLEDs.		
	Investigation of non-linear luminescence properties of lanthanide coordination compounds (multiphoton microscopy and spectroscopy). Acquisitionand analysis of photophysicaldata (low- and high-resolution, time-resolvedluminescence spectra, lifetimes, absolute quantum yields in visible and near-infrared ranges; absorption, reflection and excitation spectra) of series of lanthanide-containing complexes with organic ligands, lanthanide luminescent bioprobes, and other coordination compounds.		
	Time-resolved microscopy with lanthanide luminescent bioprobes.		
	Responsible of spectroscopic equipment in the laboratory; training of users.		
	Literature compilation and writing of review articles.		
Name and address of employer	Prof. Jean-Claude G. Bünzli, Laboratory of Lanthanide Supramolecular Chemistry, Swiss Federal Institute of Technology BCH 1402, CH-1015 Lausanne (Switzerland)		
Dates	01 March 2007 – 31 December 2008		
Occupation or position held	Postdoctoral fellow/Consultant		
Main activities and responsibilities	Development of mixed protonic-electronic conductors based on barium cerate for solid-oxide fuel cells (SOFCs): (1) synthesis of ceramic materials in ionic liquids, (2) microwave-assisted synthesis of nano- sized oxides, (3) preparation of dense ceramic membranes, (4) conductivity tests, (5) analysis by X- ray diffraction, microscopic methods like SEM and EDX, thermal analysis, dilatometry.		
Name and address of employer	<ul> <li>Prof. Andrey Kaul, Laboratory of Chemistry of Coordination Compounds, Department of Chemistry, Materials Sciences, Lomonosov Moscow State University (LMSU)</li> <li>1-3, Leninskie gory, 119991 Moscow (Russian Federation)</li> <li>Drs. Christian Guizard, Agnès Princivalle, Laboratory of Synthesis of Functional Ceramics, Saint-Gobain C.R.E.E.</li> <li>550, Avenue Alphonse Jauffret, 84306 Cavaillon (France)</li> </ul>		
Dates	01 October 1998 – 31 December 2008		
Occupation or position held	Scientific collaborator		
Main activities and responsibilities	Development of research projects performed in the laboratory: literature overview; synthesis and characterization of lanthanide and alkali earth coordination compounds, investigation of their volatility and luminescent properties, thin film deposition by MOCVD and spin-coating techniques, fabrication of simple OLEDs; presentation of the results at international conferences and writing of reports.		
Name and address of employer	Laboratory of Chemistry of Coordination Compounds, Department of Chemistry, Materials Sciences, Lomonosov Moscow State University 1-3, Leninskie gory, 119991 Moscow (Russian Federation)		
Publications	64 original papers, 5 patents, 7 reviews, 2 book chapters, 5 proceedings/ <i>h-index</i> 22		

Teaching Experience		
Lecturer	2007-2008: Internet course on nanomaterials and nanotechnology "Coordination compounds and organic electroluminescent devices (OLEDs)" (32 hours), Lomonosov Moscow State University	
Teaching assistant	2004-2005: Lectures, practice, exercises on general, inorganic chemistry and materials science for undergraduate students (totally 500 hours), Lomonosov Moscow State University	
Supervisor Undergraduate students (laboratory course works on inorganic chemistry)	2000-2001: Alexander Balashov (LMSU), excellent grade, "the best course work" 2003-2004: Natyukan Alexey (LMSU), excellent grade, "the best course work" 2004-2005: Mizerev Artem and Frolov Vladimir (LMSU), excellent grades 2005-2006: Pleshkov Dmitry (LMSU), excellent grade, "the best course work" 2007-2008: Osadchaya Veronika (LMSU), excellent grade	
Bachelor students	2008-2009: Pleshkov Dmitry (LMSU), excellent grade	
Master students	2009-2011: Pleshkov Dmitry (LMSU), excellent grade 2010-2011: Co-supervisor, Thomas Suetens (Katholieke Universiteit Leuven),excellent grade 02.2012-04.2012: Training and supervision of Valerii Liasotskyi and Iurii Golovach (Odessa I.I. Mechnikov National University, Ukraine) within French-Ukrainian program.	
PhD students	<ul> <li>2010-2011: Active participation in daily supervision and development of three PhD projects of the following students (Department of Chemistry, Katholieke Universiteit Leuven, Belgium): Geert Dehaen, successfully defended his PhD work in December 2011</li> <li>Elke Debroye, successfully defended her PhD work in September 2013</li> <li>Sophie Carron.</li> <li>06.2012-07.2012: Training and supervision of Denitsa Elenkova (University of Sofia, Bulgaria) within COST action CM1006.</li> <li>01.06.2012-31.01.2014: Active participation in supervision of a biologist Alexandra Foucault-Collet (University of Orleans-CNRS UPR 4301)</li> <li>01.09.2013-31.08.2016: Co-supervisor, Ivana Martinic (Marie Curie ITN fellow-CNRS UPR 4301)</li> </ul>	
Organisation of conferences	International Le STUDIUM <sup>®</sup> Conference: "Lanthanide-Based Compounds: from Chemical Design to Applications" This conference included 1 plenary and 18 (13 of them foreign) invited speakers. July 11-12, 2013, Orléans, France. Web page: http://www.lestudium-ias.com	
Invited talks	<ul> <li>251st American Chemical Society National Meeting &amp; Exposition.</li> <li>2016, San Diego, USA: Visible and Near-Infrared Luminescence of Heterometallic Metallacrowns Incorporating Ga(III) and Ln(III) ions</li> <li>International Le STUDIUM® conference: "Medicinal flavor of metal complexes".</li> <li>2015, Orléans, France: Luminescent Lanthanide(III)-based Metallacrowns as Promising Agents for Optical Imaging Applications</li> <li>September 27, 2013 at Department of Chemistry, KU Leuven, Belgium</li> <li>"Visible and near-infrared lanthanide luminescence: from fundamental research to biological imaging applications"</li> <li>International Le STUDIUM® conference: "Lanthanide-Based Compounds: from Chemical Design to Applications".</li> <li>2013, Orléans, France: Near-infrared emitting lanthanide compounds for biologic imaging in cells and small animals</li> <li>March 1, 2012 at Le STUDIUM® Thursday (broad audience seminar), Orléans, France</li> <li>"Rare earths: jewels of functional materials of the future"</li> <li>International Le STUDIUM® conference: "Rare Earth Elements in our Environment"</li> <li>2012, Orléans, France: Rare earths: jewels of functional materials of the future"</li> <li>International Le STUDIUM® conference: "Rare Earth Elements in our Environment"</li> <li>2012, Orléans, France: Rare earths: jewels of functional materials of the future</li> <li>International Le STUDIUM® conference: "Rare Earth Elements in our Environment"</li> <li>2012, Orléans, France: Rare earths: jewels of functional materials of the future</li> <li>26th Rare Earth Research Conference RERC11</li> <li>2011, Santa Fe, USA: Rational tuning of structural and luminescent properties of lanthanide hexafluoroacetylacetonate ternary complexes and coordination polymers</li> </ul>	
Oral presentations	<ul> <li>EuCheMS Chemistry Congress</li> <li>2016, Seville, Spain: Visible and Near-Infrared Emitting Lanthanide(III) Metallacrowns and Their Use as Optical Imaging and Cell Fixation Agents</li> <li>Rare Earths 2016</li> <li>2016, Sapporo, Japan: Zn(II)/Ln(III) and Ga(III)/Ln(III) Metallacrowns as Visible and Near-Infrared Probes for Biological Imaging</li> <li>9<sup>th</sup> International Conference on f-elements.</li> <li>2015, Oxford, UK: Design of Near-Infrared Luminescent Lanthanide-Containing Metallacrowns</li> <li>XIII International Symposium on Inorganic Biochemistry.</li> <li>2015, Karpacz, Poland: Near-Infrared Emitting Lanthanide-Containing Metallacrowns as Novel Imaging</li> </ul>	

	Agents for Cellular Biological Imaging Sixth North America-Greece-Cyprus-Workshop on Paramagnetic Materials. 2015, Athens, Greece: Luminescent Zn.Ln Metallacrown Complexes COST Action TD1004, Theragnostic Imaging and Therapy 2014, Istanbul, Turkey: Near-Infrared emilting Zn <sup>11</sup> -Ln <sup>11</sup> 'encapsulated sandwich" metallacrowns FrenchBIC, French Group of Biolnorganic Chemistry 2014, Anglet, France: Near-Infrared emilting Zn <sup>11</sup> -Ln <sup>11</sup> 'encapsulated sandwich" metallacrowns COST Action CM1006, European f-Elements Chemistry EUFEN3 2014, Niremberg, Germany: Overcoming Low Quantum Yields of Near-Infrared Emilting Lanthanides(III): Metallacrowns and Polyamidoamine Dendrimers <b>β<sup>th</sup> International Dendrimer Symposium</b> 2013, Madrid, Spain: Naphthalimide-functionalized polyamidoamine dendrimers as sensitizers of lanthanide luminescence and cell imaging probes <b>β<sup>th</sup>International Conference on f-elements</b> 2012, Udine, Italy: Polymetallic luminescent lanthanide dendrimers emitting in the visible and in the near-Infrared 2016, Krutyn, Poland: Luminescent coordination polymers assembled from lanthanide β-diketonates and aromatic bidentate O-donor ligands <b>Tage der Seltenen Erden - TerraeRarae</b> 2008, Bochum, Germany: Tuning of the luminescent properties of Eu <sup>III</sup> and Tb <sup>III</sup> hexafluoroacetyl- acetonates by insertion bidentateO-donor ligands <b>International Conference on General and Applied Chemistry</b> 2007, Odessa, Ukraine: Rare-earth(III) fluorinated and bulky β-diketonates with N,N-dimethylamino- tehanol <b>XVIII Mendeleev Congress on General and Applied Chemistry</b> 2007, Moscow, Russia-Terbium(III) aromatic carboxylates: from coordination compounds to electroluminescent materials <b>Junior International Conference on Fundamental Sciences "Lomonsov", Moscow, Russia</b> 2006: Synthesis, structure and physical-chemical properties of dimeric rare-earths β-diketonates with aminoalcohols 2005: Mixed-ligand hexafluoroacetylacetonates of rare earth elements with 4-cyanopyridine-N-oxide: synthesis, characterization
	electroluminescence 2002: Synthesis and luminescent properties of terbium(III) complexes with carboxyphenylhydrazones of β-diketones 2000: Pivaloylacetonatesofalkali-earth elements and mixed-ligand complexes based on them 1999: Synthesis and investigation of anthan umpivaloylacetonate
Poster presentations (selected)	<ul> <li>1999: Synthesis and investigation of lanthanumpival oylacetonate</li> <li>6th International Conference on Excited States of Transitions Elements (ESTE 2016) and LUMINET meeting</li> <li>2016, Polanica-Zdroj, Poland: Novel Perspectives in Near-Infrared Optical Imaging with Lanthanide- Based Molecules, Macromolecules and Nanomaterials</li> <li>World Molecular Imaging Congress (WMIC)</li> <li>2015 Honolulu, HI, USA: Near-Infrared Optical Imaging Agents with Dual Function: Probe for Necrotic Cells and Cell Fixation Agents for Assays in vitro</li> <li>Biodendrimer 2014</li> <li>2014, Lugano, Switzerland: Polynuclear polyamidoamine dendrimers as the first imaging agents emitting visible and NIR signals through lanthanide cations</li> <li>International Conference on Luminescence of Lanthanides</li> <li>2010, Odessa, Ukraine: Designing highly luminescence materials based on ternary complexes of lathanide β-diketonates</li> <li>Annual meeting of the Swiss Chemical Society, Lausanne, Switzerland</li> <li>2009: Overcoming limitations of lanthanide luminescent bioprobes</li> <li>International Conferences on f-elements</li> <li>2009, Cologne, Germany: Enlarging the capability of lanthanide helicates as bioprobes: nanoparticles and multi-photon excitation</li> <li>2006, Wroclaw, Poland: Luminescent and structural characteristics of new dimeric complexes of lanthanide β-diketonates with N,N-dimethylethanolamine and 4-cyanopiridine-N-oxide</li> <li>International Chugaev Conference on Coordination Chemistry</li> </ul>

	<ul> <li>2005, Kishinev, Moldova: Complexes of rare-ear crystal structure and photoluminescent propertii 2003, Lausanne, Switzerland: Synthesis, chara and terbium(III) complexes with 2-pyrazinecarba 17th International Symposium on the Photoc Compounds</li> <li>2007, Dublin, Ireland: Lanthanide(III) ortho-subs International Summer School "Advanced lun organic/inorganic complexes"</li> <li>2005, Krutyn, Poland: Complexes of lanthanide oxide as potential materials for organic light-emphotoluminescent properties</li> <li>School-seminars "Actual problems of mode Moscow region, Russia</li> <li>2005: Crystal structure and photoluminescent phexafluoroacetylacetonates</li> <li>2004: 2-pyrazinecarboxylates of rare earth elemproperties</li> <li>2002: Arylhydrazones of β-diketones for synthe International Workshop "High-Temperature Engineering"</li> <li>2004, Moscow, Russia: The terbium(III) aromati</li> </ul>	arth elements with 2-pyrazinecarboxylic acid: synthesis, es cterization and luminescence properties of europium(III) oxylic acid. Crystal structure of Eu(pyca) <sub>3</sub> ·7H <sub>2</sub> O schemistry and Photophysics of Coordination stituted benzoates as potential luminescent materials minescent materials based on lanthanide (III) hexafluoroacetylacetonates with 4-cyanopyridine- <i>N</i> - itting diodes (OLEDs). Synthesis, crystal structure and ern inorganic chemistry and material science", properties of dimeric complexes based on rare-earth ments: synthesis, thermal stability and photoluminescent esis of functional coordination compounds Superconductors and Novel Inorganic Materials ic carboxylates as electroluminescent materials in	
	organic light-emitting diodes (OLEDs)		
Reviewing activity			
Reviewer at International journals	Journal of the American Chemical Society Chemistry-An Asian Journal Organic Letters RSC Advances Dalton Transactions New Journal of Chemistry	Advanced Functional Material Inorganic Chemistry Chemical Communications Analyst European Journal of Inorganic Chemistry Journal of Luminescence	
PhD thesis jury member	Debroye Elke "Luminescent MRI contrast agents for molecular imaging" September 27, 2013. KU Leuven, Belgium		
Scientific awards and prizes	<ul> <li>2014: Second place in poster's competition at <i>Biodendrimer 2014</i></li> <li>2011: <i>Scopus Award Russia</i> as an author of the most significant and actual scientific publications in international literature in chemistry in 2010</li> <li>2010: <i>FINELUMEN</i> scholarship for participation in VI<sup>th</sup> International Summer School</li> <li>2008 and 2009: Award of <i>Russian Academy of Scientists</i> as a best candidate of sciences</li> <li>2006: Scholarship of <i>LG Chem</i> Company</li> <li>2005: Award for PhD students from <i>Moscow Department of Education</i> (with assistance of <i>International Soros Science Education Program</i> (ISSEP))</li> <li>2004 and 2005: Scholarship of <i>Lomonosov Moscow State University</i> for young teachers and scientists, achieved significant results in pedagogical and scientific work</li> <li>2003 and 2006: Awards of the <i>European Rare Earths and Actinide Society</i> for participation in ICFE</li> <li>2003: <i>Academician V.I. Spitsyn award</i> for best work of young scientists in the field of inorganic and coordination chemistry</li> <li>1999, 2000, 2003 and 2004: Different awards at <i>Lomonosov Junior International Conferences</i></li> </ul>		