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| PERSONAL INFORMATION | Diāna Stamberga |
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|  | 1100 Twin Coves Circle, Lenoir City, TN 37772 |
| Mobile: 865 403 2097  Office: 865 574 6716 |
| diana.stamberga@gmail.com |
| Gender Female | Nationality Latvian | H1B Visa |

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| WORK EXPERIENCE |  |

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| January 2020 – Present  Augusts 2018 – January 2020  July 2015 – July 2018 | Technical Associate Staff Member  UT-Battelle, LLC (Oak Ridge National Laboratory)  Bethel Valley Rd, Oak Ridge, TN 3783, USA, www.ornl.gov   * manage nonradiological synthesis and instrumental laboratories and office space for staff and guest researchers * synthesize and characterize novel organic compounds; identify new synthesis routes for the compounds of interest * carry out separations experiments using instrumental, analytical, and synthesis techniques as needed * perform tracer studies with radioactive isotopes and characterization by counting methods * participate in planning efficient workflow for the laboratories, including establishing priorities within and between projects and determining the most efficient methods and procedures * present and report research results at the group meetings, project meetings and conferences * contribute to publishing scientific results in peer-reviewed journals * maintain the NMR spectrometers by performing liquid nitrogen fills weekly; maintain gamma counter by performing liquid nitrogen fills every two weeks; custodian and caretaker of laboratory instrumentation (ICP-OES, GC, gamma spectrometers and others) * perform the duties of Lab Space Manager for nonradiological and radiological laboratories * in charge of purchasing and maintaining a stock of laboratory supplies * assist stuff and guests to ensure safe and secure laboratory operations * train instrument users and coordinate the use of instruments and facilities * assist researchers with disposing of waste * ensure compliance with environmental, safety, health and quality program requirements   Postmaster Research Associate  Oak Ridge Associated Universities  100 ORAU Way, Oak Ridge, TN 37830, USA, www.orau.org   * synthesize and characterize novel organic compounds * identify new synthesis routes for the compounds of interest * participate in project planning and execution * present and report research results at the group meetings, project meetings and conferences * contribute to publishing scientific results in peer-reviewed journals * maintain the NMR spectrometers by performing liquid nitrogen fills weekly * make suggestions on how to improve laboratory safety * in charge of purchasing and maintaining a stock of laboratory supplies * ensure compliance with environmental, safety, health and quality program requirements   Research Assistant  Latvian Institute of Organic Synthesis  Aizkraukles 21, LV-1006, Riga, Latvia, www.osi.lv   * developed multi-step synthesis of drug candidates * characterized novel organic compounds using HPLC, GCMS, NMR, IR, EA etc. * worked with a variety of synthesis techniques (manipulations under inert atmosphere, extraction distillation, crystallization, sublimation etc.) * ensured compliance with environmental, safety, health and quality program requirements |

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| EDUCATION AND TRAINING |  |

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| September 2015 – June 2017 | Master of Chemistry |  |
| University of Latvia, Riga, Latvia | |
| * organic chemistry * research advisor: Dr. Valerjans Kauss, Dr., Prof. Andris Zicmanis * thesis “Synthesis of alicyclic α-amino acids” | |

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| April 2016 – August 2016 | Master of Chemistry (ERASMUS+ exchange) |  |
| Ruhr-Universität Bochum, Bochum, Germany | |
| * organic chemistry | |
| August 2011 – June 2015 | Bachelor of Chemical Engineering |  |
| Riga Technical University, Riga, Latvia | |
| * chemical engineering * organic chemistry * research advisor: Dr. Māris Turks * thesis “Aziridine-triazole conjugates as a potential MMP inhibitors” | |

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| PERSONAL SKILLS |  |

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| Mother tongue(s) | Latvian | | | | |
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| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
| Listening | Reading | Spoken interaction | Spoken production |  |
| English | C1 | C1 | C1 | C1 | C1 |
| Russian | B2 | B1 | B1 | B1 | B1 |
| German | A2 | A2 | A2 | A2 | A2 |
|  | Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  Common European Framework of Reference for Languages | | | | |

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| Communication skills | * intercultural skills - participation in exchange programmes “From Blue to Green” (2008) and “European Youth for Tolerance” (2010) organized by informal education organisation “Youth in Action” and ERASMUS+ exchange in Germany – Ruhr Universität Bochum (2016) * team work - communication skills obtained during volunteer work in a wide variety of events organized in Riga and Ogre cities in Latvia, ERASMUS+ exchange in Germany – Ruhr Universität Bochum (2016), and during work for mixed choir “Dziesmuvara” as part of board of directors. * experience in public speaking |

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| Organisational / managerial skills | * organisational and leadership skills, obtained during volunteer work in a youth organisation in Riga and Ogre region, conferences in Riga Technical University and Latvian University, ERASMUS+ exchange in Germany – Ruhr Universität Bochum (2016) and while working for mixed choir “Dziesmuvara” as part of board of directors * acquired ability to rapidly adapt to new environment and take on new task * capable of coordinating teamwork to accomplish desired results * developed strong dedication to the implementation and perpetuation of work values and ethics |

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| Job-related skills | * acquired knowledge and skills for independent work in the laboratory, as well as the skills to work with analytical methods in organic chemistry (UPLC/MS, IS,1H NMR, 13C NMR spectroscopy etc.) while working in Institute of Technology of Organic Chemistry, division of Chemical Technology of Biologically Active Compounds (Riga Technical University) supervised by professor Dr. M. Turks, Latvian Institute of Organic Synthesis supervised by Dr. V. Kauss and Oak Ridge National Laboratory, Chemical Sciences Division, Chemical Separations Group led by Dr. B. A. Moyer. * Radiological Worker II Initial Training (completed 9/3/2019) |

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| Computer skills | * competent in Microsoft Office programs (Microsoft Office, Microsoft Excel, Microsoft PowerPoint), ChemDraw, MestreNova * advanced digital manipulation and computer graphics skills (AdobePhotoshop, Lightroom) |

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| Other skills | * pianist, academic singing – graduated from Ogre Music School (professionally oriented education program 20V21201, Piano play (1999-2009)) * sewing, pattern making – graduated from Burda school (professionally oriented education program 20P 542 02, Pattern designing and modelling of women’s clothing (2017-2018)) * photography - a 15-hour training program "Basic Photography and Insight Into Its Graphic" (2008) and G. Janaišs photography workshop (2011), specialization in wedding and landscape photography * leather processing skills * swimming, shooting |

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| Driving licence | D |

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| ADDITIONAL INFORMATION |  |

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| Publications | **2.** Stamberga, D.; Healy, M. R.; Albisser, C.; Ivanov, A.; Lyon, K.; Foster, F.; Popovs, I. Moyer, B. A.; Jansone-Popova, S. Structure Activity Relationship Approach Towards Lanthanide Separation using Diglycolamides. *In preparation.*  **1.** Suta, K.; Stamberga, D., Solops, A. Small Nitrogen Heterocycles Containing 1,2,3-Triazoles in the Side Chain. *Science and Applied Chemistry*, **2015**, ISSN 1407-7353. |
| Conferences and presentations | **17.** Jansone-Popova, S.; Healy, M. R.; Karslyan Y.; Stamberga, D.; Ivanov A. S.; Bryantsev V. S.; Sloop, F. V., Jr.; Popovs, I.; Delmau L.; Moyer, B. A.; Paulenova, A. “Actinide and Lanthanide Separation Facilitated by Preorganization of Multidentate Ligands.” *Separation Breakthroughs for Commodity and Specialty Chemicals, Environmental Science and Analytical Chemistry*, Galveston, TX, January 26-31, **2020**.  **16.** Fujimoto, M.; Flore, R.; Lyon, K.; Greenhalgh, M.; Healy, M.; Jansone-Popova, S.; Stamberga, D.; Foster, M. *Hydrodynamic Studies Involving Modified Diglycolamides for Rare Earth Separation. CMI Annual Meeting* *2019*, Idaho Falls, ID, September 9-11, **2019**.  **15.** Flore, R.; Lyon, K.; Greenhalgh, M.; Fujimoto, M.; Cui, H.; O’Kelley, B.; Jansone-Popova, S.; Stamberga, D. *Rare Earth Separation Utilizing Impregnated Diglycolamide (DGA) Ligands on Polystyrene Divinyl Benzene Substrates.*  *CMI Annual Meeting* *2019*, Idaho Falls, ID, September 9-11, **2019**.  **14.**  Stamberga, D.; Albisser, C. A.; Healy, M. R.; Lyon, K.; Popovs, I.; Jansone-Popova, S. “Separation of Rare Earth Elements using Novel Diglycolamide Ligands.” *258th ACS National Meeting & Exposition*, San Diego, CA, August 25-29, **2019**. *Co-chair* *of Lanthanide & Actinide Chemistry Session*.  **13.** Jansone-Popova, S.; Healy, M. R.; Karslyan, Y.; Stamberga, D.; Bryantsev, V. S.; Sloop, F. V.; Popovs, I.; Delmau, L.; Moyer, B. A. “Preorganization and Steric Effect of Multidentate Ligands for An and Ln Separation.” *43rd Actinide Separations Conference,* Kingsport, TN, May 20-23, **2019**.  **12.**  Healy, M. R.;Stamberga, D.; Albisser, C. A.; Moyer, B. A.; Popovs, I.; Lyon, K.; Jansone-Popova, S. “Advancement of Lanthanide Extraction Through Preorganized Ligand Design and Coordination Site Studies.” *257th ACS National Meeting & Exposition*, Orlando, Fl, March 31 – April 4, **2019**.  **11.**  Stamberga, D.; Albisser, C. A.; Healy, M. R.; Popovs, I.; Jansone-Popova, S. “Synthesis of Rigid and Flexible Extractants with High Affinity for Specific Ln(III) Clusters.” *CMI Winter Meeting*, Golden, CO, February 4-5, **2019**.  **10.**  Healy, M. R.;Stamberga, D.; Albisser, C. A.; Moyer, B. A.; Popovs, I.; Lyon, K.; Jansone-Popova, S. “Lanthanide Separation Through Effective Ligand Design: a Study of Alkyl Group Influences in DGAs at the Metal Coordination Site and the Liquid-liquid Interface.” *CMI Winter Meeting*, Golden, CO, February 4-5, **2019**.  **9.**  Stamberga, D.; Albisser, C. A.; Healy, M. R.; Popovs, I.; Jansone-Popova, S. “Synthesis of Rigid and Flexible Extractants with High Affinity for Specific Ln(III) Clusters.” *20th Symposium on Separation Science & Technology*, Gatlinburg, TN, October 21-24, **2018**.  **8.**  Healy, M. R.;Albisser, C. A.; Durain, J.; Stamberga, D.; Ivanov, A.; Bryantsev, V. S.; Moyer, B. A.; Popovs, I.; Jansone-Popova, S. “Strategic Study on Lanthanide Separation Through Effective Ligand Design” *20th Symposium on Separation Science & Technology*, Gatlinburg, TN, October 21-24, **2018**.  **7.** Healy, M. R.; Albisser, C. A.; Durain, J.; Stamberga, D.; Moyer, B. A.; Bryantsev, V. S.; Ivanov, A.; Popovs, I.; Jansone-Popova, S. “Ligand Design and Testing for Selective Extraction of Lanthanides(III) –Current Progress and New Directions.” *CMI Annual Meeting* *2018*, Ames, IA, September 5-6, **2018**.  **6.** Suta, K.; Stamberga, D.; Solops, A.; Domracheva, I.; Shestakova, I.; Turks, M. “Synthesis of New Aziridine and Azetidine Derivatives as Potential MMP-2 Inhibitors.” *Balticum Organicum Syntheticum*, Riga, Latvia, July 3-6,**2016**.  **5.** Suta, K.; Stamberga, D.; Solops, A.; Domracheva, I.; Shestakova, I.; Turks, M. “Synthesis and Biological Activity of Triazolylmethylaziridines and Azetidines.” *74th LU Scientific Conference*, Riga, Latvia, February 5-24,**2016**. *Conference co-chair*.  **4.** Suta, K.; Stamberga, D.; Solops, A.; Domracheva, I.; Shestakova, I.; Turks, M. “Search for New MMP-2 Inhibitors Among Small Nitrogen Heterocycles Containing Disubstituted 1,2,3-triazole in the Side Chain.” Riga Technical University *56th International Scientific Conference*, Riga, Latvia, October 14-17,**2015***.*  **3.** Suta, K.; Stamberga, D.; Solops, A.; A., Domracheva, I., Shestakova, I.; Stepanovs, D.; Turks, M. “Synthesis and MMP-2 Inhibition Studies of Novel Aziridine and Azetidine Derivatives.” *Drug Discovery Conference*, Riga, Latvia, August 27-29, **2015**.  **2.** Suta, K.; Stamberga, D.; Solops, A..; A., Domracheva, I., Shestakova, I.; Turks, M. “Small Nitrogen Heterocycles Containing 1,2,3-Triazoles in the Side Chain.” *Paul Walden 9th Symposium on Organic Chemistry*, Riga, Latvia, May 21-22, **2015**.  **1.** Suta, K.; Stamberga, D.; Solops, A.; Domracheva, I.; Shestakova, I.; Turks, M. “Search for New MMP-2 Inhibitors Among Small Nitrogen Heterocycles Containing Disubstituted 1,2,3-triazole in the Side Chain.” *56th RTU Student Scientific and Technical Conference*, Riga, Latvia, April 23,**2015**. |
| Honours and awards | * Latvian Prime Minister’s Valdis Dombrovskis scholarship for outstanding engineering science students (2012) |
| Memberships | * Mixed choire of University of Latvija “Juventus” (2012 - 2014), association “Juventus” * Mixed choire of University of Latvija “Dziesmuvara” association “Dziesmuvara” (the member of the board of directors (2014 – 2018)) (2013 – 2018) * American Chemical Society (2019 – present) |