

Date Submitted: 2013-11-22 13:22:59**Confirmation Number:** 179133**Template:** CGS-Master's

Personal Information

Identification

Mr. Alexey Strokach

Correspondence language: English

Sex: Male

Date of Birth: 6/08

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Language Skills

| Language | Read | Write | Speak | Understand |
|-----------|------|-------|-------|------------|
| English | Yes | Yes | Yes | Yes |
| Russian | Yes | Yes | Yes | Yes |
| Ukrainian | Yes | Yes | Yes | Yes |

Address

The primary address is denoted by (*)

| |
|--|
| Home (*) |
| 18 Upminster Cres. Toronto M9B5W2 Canada, Ontario |

Telephone

The primary telephone is denoted by (*)

| | |
|----------|---------------|
| Home (*) | 1-416-6214521 |
| Mobile | 1-647-2264521 |

Email

The primary email is denoted by (*)

| | |
|----------|---------------------------|
| Personal | ostrokach@gmail.com |
| Work (*) | alex.strokach@utoronto.ca |

User Profile

Research Disciplines: Biology and Related Sciences, Genetics, Molecular Biology, Computer Science, Physics

Areas of Research: Functional and Structural Proteomics, Bioinformatics, Genotype and Phenotype, Bioactive Molecules, Cancer Genetics, Proteomics, Bioprocesses and Biomedical systems, Biotechnology, Enzymes and Proteins

Fields of Application: Biomedical Aspects of Human Health, Health System Management, Pathogenesis and Treatment of Diseases

Research Specialization Keywords: Bioinformatics, Biophysics, Computational biology, Computational chemistry

Education

Degrees

| | |
|-----------------|--|
| 2013/9 - | Master's Thesis - MSc - Computer Science - University of Toronto - In Progress Supervisors: Kim, Philip |
| 2010/9 - 2013/8 | Master's Thesis - MSc - Biophysics - University of Toronto - Completed Supervisors: Wells, James W. |
| 2006/9 - 2010/8 | Bachelor's Honours - BSc - Medical Science - University of Western Ontario - Completed |

Recognitions

| | |
|-----------------|---|
| 2011/9 - 2012/8 | Ontario Graduate Scholarship - Prize / Award University of Toronto Amount: 15000 (Canadian dollar) |
| 2010/9 - 2011/8 | Ben Cohen Bursary - Prize / Award University of Toronto Amount: 9000 (Canadian dollar) |
| 2009/9 - 2010/4 | CIS Academic All-Canadian (Cross Country and Track and Field) - Honor University of Western Ontario (Canadian dollar) |
| 2009/9 - 2010/4 | Queen Elisabeth II Scholarship - Prize / Award University of Western Ontario Amount: 3500 (Canadian dollar) |
| 2008/9 - 2009/4 | Reinhard Konrad Memorial Award - Prize / Award University of Western Ontario Amount: 1000 (Canadian dollar) |
| 2008/9 - 2009/4 | William F.M. and Helen M. Haig Scholarship - Prize / Award University of Western Ontario Amount: 1000 (Canadian dollar) |
| 2008/9 - 2009/4 | CIS Academic All-Canadian (Cross Country and Track and Field) - Honor University of Western Ontario (Canadian dollar) |
| 2008/9 - 2009/4 | Queen Elisabeth II Scholarship - Prize / Award University of Western Ontario Amount: 3500 (Canadian dollar) |

| | |
|-----------------|---|
| 2007/9 - 2008/4 | Laurene Paterson Scholars - Prize / Award University of Western Ontario Amount: 2000 (Canadian dollar) |
| 2007/9 - 2008/4 | Queen Elisabeth II Scholarship - Prize / Award University of Western Ontario Amount: 3500 (Canadian dollar) |
| 2006/9 - 2007/4 | Queen Elisabeth II Scholarship - Prize / Award University of Western Ontario Amount: 3500 (Canadian dollar) |
| 2006/9 - 2007/4 | Western Award of Distinction - Prize / Award University of Western Ontario Amount: 1000 (Canadian dollar) |

Employment

Academic Work Experience

| | |
|-----------------|--|
| 2010/7 - 2010/8 | Summer research assistant. My project involved acquiring and analysing images of cells expressing fluorophore-tagged M2 muscarinic receptors in order to measure the oligomeric size and movement dynamics of those receptors. University of Toronto - Pharmacy - Pharmaceutical Sciences |
| 2009/5 - 2009/8 | Summer research assistant. My project involved computational modeling of water vapor radiolysis and carbon steel corrosion with the goal of predicting radiation sensitivity of radioactive waste containers in different environments. University of Western Ontario - Chemistry |
| 2007/9 - 2008/4 | Research assistant (Dr. Sree Ram Valluri). This position involved summarising research articles, converting articles into the LaTeX format, uploading student grades to WebCT and various other small tasks. University of Western Ontario - Physics & Astronomy |

Non-academic Work Experience

| | |
|-----------------|--|
| 2009/9 - 2010/4 | Computer lab supervisor. - University of Western Ontario |
| 2007/7 - 2007/8 | Landscape gardener. - Humber College |
| 2002/9 - 2006/1 | Convenience store clerk. - Hasty Market |

Activities

Teaching Activities

Courses Taught

| | |
|--|--|
| 2013-01-01 - 2013-04-30 Teaching assistant | PHM140H/PHC301H. Molecular pharmacology. - Ion channels. - Undergraduate University of Toronto |
| 2011-09-01 - 2011-12-31 Teaching assistant | PHM225H. Introduction to biochemistry and molecular biology. - Enzyme kinetics. - Undergraduate University of Toronto |

| | |
|--|--|
| 2010-09-01 - 2010-12-31 Teaching assistant | PHM225H. Introduction to biochemistry and molecular biology. - Enzyme kinetics. - Undergraduate University of Toronto - Pharmaceutical Sciences |
|--|--|

Participation Activities

Event Participation

| | |
|---------|---|
| Student | Summer School at the Center for the Physics of Living Cells (University of Illinois at Urbana-Champaign). - Workshop (2011-07-18 / 2011-07-23) Activity Description: This summer school included tutorials, workshops and hands-on experiments that were designed to teach students various modern biophysical techniques and to make them capable of using those techniques independently back in their host institution. |
|---------|---|

Contributions

Presentations

| | |
|------------|--|
| 2013-04-13 | "POSTER. Using Förster resonance energy transfer to distinguish between proteins that exist as monomers, transient oligomers and stable oligomers in the plasma membrane of living cells.", Chemical Biophysics Symposium, Canada, Ontario, Toronto Main Audience: Researcher Invited?: No Keynote?: No Competitive?: No |
|------------|--|

Publications

Conference Publications

| | |
|--|---|
| 2013/6 Published First Listed Author | Alexey Strokach, James W. Wells, "Probing the oligomeric status of G protein-coupled receptors by single-molecule fluorescence." Abstract , Journal of Receptors and Signal Transduction, 184-205 Joint Meeting of the Great Lakes GPCR Retreat, 2012-10-17 doi:10.3109/10799893.2013.782222 Refereed?: No Invited?: No Number of Contributors: 2 Funding Sources: Canadian Institutes of Health Research (CIHR) |
|--|---|