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| BIOGRAPHICAL SKETCH INSTRUCTIONS Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person.  **DO NOT EXCEED FOUR PAGES.** | | | | |
|  | | | | |
| NAME  Nicholas Lesniak | | POSITION TITLE  Predoctoral Trainee | | |
| eRA COMMONS USER NAME (credential, e.g., agency login) | |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)* | | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | | MM/YY | FIELD OF STUDY |
|  |  | |  |  |
| College for Creative Studies – Detroit, MI  University of Michigan – Ann Arbor, MI | B.F.A  B.S. | | 12/08  12/09 | Industrial Design  Cell and Molecular Biol. |
|  |  | |  |  |

A. Personal Statement

Briefly describe why your experience and qualifications make you particularly well-suited for your role (e.g., PD/PI, mentor, participating faculty) in the project that is the subject of the application. Within this section you may, if you choose, briefly describe factors such as family care responsibilities, illness, disability, and active duty military service that may have affected your scientific advancement or productivity.

B. Positions and Honors

Positions

2010 - 2012 Design Engineer, General Motors, Detroit, MI

2012 - 2015 Research Assistant, Department of Biochemistry, University of Michigan, Ann Arbor, MI

Honors

2005 - 2008 College for Creative Studies Scholarship, College for Creative Studies, Detroit, MI

2005 - 2008 College for Creative Studies Tuition Grant, College for Creative Studies, Detroit, MI

2006 - 2008 Dean’s List, College for Creative Studies, Detroit, MI

2007 Nike Design Team Award, College for Creative Studies, Detroit, MI

2008 Faculty Select Design Award, College for Creative Studies, Detroit, MI

2008 B.F.A. awarded with Honors, College for Creative Studies, Detroit, MI

2012 Gripman Alumni Scholarship, University of Michigan, Ann Arbor, MI

2012-2014 Dean’s List, University of Michigan, Ann Arbor, MI

2014 B.S. awarded with High Distinction and High Honors, University of Michigan, Ann Arbor, MI

2015 Benard Maas Fellowship, University of Michigan, Ann Arbor, MI

C. Selected Peer-reviewed Publications

1. Li, Z., Lesniak, N. A., Banerjee, R. (2014). Unusual Aerobic Stabilization of Cob(I)alamin by a B12-Trafficking Protein Allows Chemoenzymatic Synthesis of Organocobalamins. Journal of the American Chemical Society, 136(46), 16108-16111. PMCID: PMC4687494
2. Li, Z., Gherasim, C., Lesniak, N. A., Banerjee, R. (2014). Glutathione-dependent One-electron Transfer Reactions Catalyzed by a B12 Trafficking Protein. The Journal of Biological Chemistry, 289(23), 16487-97. PMCID: PMC4047415

**D. Scholastic Performance. *Predoctoral*** applicants: Using the chart provided, list by institution and year all undergraduate and graduate courses with grades. ***Postdoctoral*** applicants: Using the chart provided, list by institution and year all undergraduate courses and graduate scientific and/or professional courses germane to the training sought under this award with grades. In the space following the chart, explain marking system if other than 1-100; A, B, C, D, F, or 0 – 4.0. Show level required for passing. Predoctoral applicants should provide Graduate Record Examination scores, if available. MD/PhD applicants should provide MCAT scores, if available.

| YEAR | SCIENCE COURSE TITLE | GRADE | YEAR | OTHER COURSE TITLE | GRADE |
| --- | --- | --- | --- | --- | --- |
|  | SWARTHMORE COLLEGE |  |  | SWARTHMORE COLLEGE |  |
| 1996 | Introduction to Molecular Biology | A | 1995 | Introduction to Engineering | A |
| 1996 | Introductory Chemistry I | B | 1995 | Calculus I | A |
| 1996 | Physics for Engineers | A | 1996 | Calculus II | B |
| 1997 | Introductory Chemistry II | C | 1996 | Structures and Design | A |
| 1997 | Organic Chemistry I | A | 1996 | Linear Algebra | B |
| 1998 | Organic Chemistry II | A | 1997 | Structural Materials | B |
| 1998 | Biochemistry | A | 1997 | Structural Materials Laboratory | A |
| 1999 | Cell Biology | A | 1997 | Numerical Computation & Graphics Tools | A |
|  |  |  | 1997 | Engineering Graphics and Computer- Assisted Design | A |
|  | UC SAN DIEGO |  | 1997 | Principles of Structural Design I | B |
| 2001 | Seminar in Genetics | P | 1997 | Statistics, Probability, and Reliability | A |
| 2002 | Statistics for the Life Sciences | P | 1998 | Principles of Structural Design II | A |
| 2003 | Ethics in Biological Research | CRE | 1999 | Senior Project | A |
| 2004 | Seminar in Physiology & Behavior | P |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

University of Michigan graduate courses \_\_\_\_\_\_\_\_\_ are graded S (satisfactory) or U (unsatisfactory).

Passing is C plus or better. The scientific ethics course is graded CRE (credit) or NC (no credit). Students must attend at least seven of the eight presentation/discussion sessions for credit.