The overall goal of the NSF ILSAMP Bridge to the Doctorate at the University of Illinois at Chicago (UIC) is to increase the numbers of underserved students completing STEM doctoral degrees and entering academic and research careers in STEM related fields. The ILSAMP record with BD Fellows is stellar and the investment, by NSF and the respective ILSAMP BD campus locations, has reaped significant benefits as illustrated in the table below. The data: completion of 26 PhDs (from the 1st 3 cohorts totaling 42 fellows), 6 masters and entry of all 64 BD fellows (100%) into STEM PhD programs since the first cohort began graduate study at UIC in 2006.

<table>
<thead>
<tr>
<th>Bridge to the Doctorate at the University of Illinois at Chicago</th>
<th>Degree Status to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BD @ UIC Cohort Year</td>
<td>2006-08</td>
</tr>
<tr>
<td>PhD Completed</td>
<td>8</td>
</tr>
<tr>
<td>PhD in Progress (still enrolled)</td>
<td>***1</td>
</tr>
<tr>
<td>Masters Completed*</td>
<td>4</td>
</tr>
<tr>
<td>No Degree Completed (no longer enrolled)**</td>
<td>1</td>
</tr>
<tr>
<td>Total BD Fellows Enrolled in PhD Programs**</td>
<td>14 of 14</td>
</tr>
</tbody>
</table>

* Masters Completed include those for students who did NOT continue studies toward earning the PhD

**Fellows no longer enrolled: varied reasons for departure from UIC including: leave of absence (2), personal/family obligations (1), lack of academic progress after 1st year (1), lack of academic progress post BD funding (1). Only one occurrence of failed progress during active participation in the Bridge to the Doctorate program.

***total of 2 additional fellows preparing for completion of doctoral thesis defense by end of 2017-18 academic year

Note: the 2015-17 cohort reduced by 2 this year due to change in admission and enrollment status of two fellows who are Now enrolled at other institutions.
## Bridge to the Doctorate at UIC
### STEM Workforce Placement Post PhD Completion

<table>
<thead>
<tr>
<th>BD Cohort</th>
<th>Name</th>
<th>Doctoral Discipline</th>
<th>PhD</th>
<th>1st Professional Placement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-08</td>
<td>Janai Carr</td>
<td>Biochemistry &amp; Molecular Genetics</td>
<td>2011</td>
<td>University of California San Francisco (postdoc/MD)</td>
</tr>
<tr>
<td></td>
<td>Senta Furman</td>
<td>Neuroscience</td>
<td>2011</td>
<td>Washington University (postdoc/MD)</td>
</tr>
<tr>
<td></td>
<td>Itzel Godinez</td>
<td>Civil &amp; Materials Engineering</td>
<td>2013</td>
<td>University of Illinois at Chicago (postdoc – early STEM education)</td>
</tr>
<tr>
<td></td>
<td>Troy Hernandez</td>
<td>Mathematics/Statistics</td>
<td>2013</td>
<td>Industry – Civis Analytics – (statistical analyst)</td>
</tr>
<tr>
<td></td>
<td>Nicole Jones</td>
<td>Anatomy &amp; Cell Biology</td>
<td>2011</td>
<td>University of Illinois at Chicago (postdoc – stem cell research postdoc)</td>
</tr>
<tr>
<td></td>
<td>Evelyn Nwabuisi</td>
<td>Anatom &amp; Cell Biology</td>
<td>2012</td>
<td>University of Illinois at Chicago (Pharmaceutical Biotechnology postdoc)</td>
</tr>
<tr>
<td></td>
<td>Laura Pedro Rosa</td>
<td>Chemistry</td>
<td>2011</td>
<td>Scripps Research Institute (postdoc)</td>
</tr>
<tr>
<td>2007-09</td>
<td>Dorin Bogdan</td>
<td>Civil Engineering</td>
<td>2012</td>
<td>Industry – Everything PFAS (environmental engineering consultant)</td>
</tr>
<tr>
<td></td>
<td>Tyvette Hilliard</td>
<td>Medicinal Chemistry</td>
<td>2012</td>
<td>University of Hawaii Manoa (postdoc – cancer research)</td>
</tr>
<tr>
<td></td>
<td>Kristin Ivy</td>
<td>Biochemistry &amp; Molecular Genetics</td>
<td>2014</td>
<td>Industry – Actelion (medical science liaison)</td>
</tr>
<tr>
<td></td>
<td>Natalie King</td>
<td>Neuroscience</td>
<td>2014</td>
<td>Industry – Liautaud Institute (Evidence-Based Training &amp; Research)</td>
</tr>
<tr>
<td></td>
<td>Ikenna Madueke</td>
<td>Physiology &amp; Biophysics</td>
<td>2013</td>
<td>University of Illinois at Chicago (postdoc/MD)</td>
</tr>
<tr>
<td></td>
<td>Leah Page</td>
<td>Chemistry</td>
<td>2013</td>
<td>Chicago City Colleges (Chemistry Faculty)</td>
</tr>
<tr>
<td></td>
<td>O’Neil Shand</td>
<td>Microbiology &amp; Molecular Genetics</td>
<td>2012</td>
<td>Industry – Novartis Pharmaceuticals (regulatory medical writer)</td>
</tr>
<tr>
<td></td>
<td>Tanganyika Wilder</td>
<td>Physiology &amp; Biophysics</td>
<td>2014</td>
<td>Florida A &amp; M University (Assistant Professor, Biology)</td>
</tr>
<tr>
<td>2008-10</td>
<td>Emmanuel Ansong</td>
<td>Pathology</td>
<td>2014</td>
<td>University of Illinois at Chicago (postdoc)</td>
</tr>
<tr>
<td></td>
<td>Thessicar Antoine</td>
<td>Microbiology &amp; Immunology</td>
<td>2014</td>
<td>Georgia State University (postdoc/adjunct professor)</td>
</tr>
<tr>
<td></td>
<td>Diana Gutierrez</td>
<td>Bioengineering</td>
<td>2015</td>
<td>Industry – Johnson &amp; Johnson (diabetes stem cell research postdoc)</td>
</tr>
<tr>
<td></td>
<td>Crystalann Jones</td>
<td>Organic Chemistry</td>
<td>2014</td>
<td>Govt/Military Airforce Research Laboratory (NRC postdoctoral fellow)</td>
</tr>
<tr>
<td></td>
<td>Philip David McMullen</td>
<td>Microbiology &amp; Immunology</td>
<td>2014</td>
<td>Continuing education / postdoctoral research</td>
</tr>
<tr>
<td></td>
<td>Geovannie Ojeda Torres</td>
<td>Analytical Chemistry</td>
<td>2014</td>
<td>Govt Center for Disease Control (postdoc)</td>
</tr>
<tr>
<td></td>
<td>Ellyana Sinkala</td>
<td>Bioengineering</td>
<td>2012</td>
<td>University of California Berkeley (postdoc)</td>
</tr>
<tr>
<td></td>
<td>Shalina Taylor</td>
<td>Pharmacology</td>
<td>2013</td>
<td>Stanford University (postdoc)</td>
</tr>
</tbody>
</table>

**NOTE:** STEM Workforce placement for BD fellows completing masters degrees is not included as program emphasis is placed on PhD completion.

Recruitment efforts have produced a yield of Illinois BD Fellows that are LSAMP alumni and graduates of institutions that are members of 19 regional and statewide alliances. Represented alliances include:

- Alabama
- California (UC System)
- California State University (CSU System)
- City University of New York (CUNY System)
- Florida-Georgia
- Houston
- Illinois
- Indiana – added 2014
- Kansas – added 2015
- Louisiana
- Michigan
- Mississippi
- Missouri
- North Carolina
- Philadelphia
- Puerto Rico
- South Carolina – added 2014
- Tennessee
- Texas
2006-2008 Bridge to the Doctorate at UIC Fellows

Academic Results to Date 9 completed PhDs; 4 completed masters; 1 no degree completed; 14 of 14 enrolled in PhD Programs

9 of 14 completed PhDs

Wilson Barajas MS in Physics completed; MEd in Science Education completed Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Physics (PhD) Advisor: Christoph Grein Theoretical Condensed Matter

Janai Carr  PhD Complete April 2011, clinical MD completed 2013 Undergraduate Institution: University of California at San Diego
UIC Academic Program: MD/PhD Advisor: Dr. Pradip Raychaudhuri Regulation of mammalian cell cycle 3.8

Sentan Furman  PhD Complete May 2011; clinical MD completed 2013 Undergraduate Institution: Wayne State University
UIC Academic Program: MD/PhD Advisor: Dr. Stephen Porges Developmental psychobiology 3.8

Itzel Godinez  PhD complete May 2013; MS completed Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Civil and Materials Engineering (PhD) Advisor: Dr. Darnault Hydrological, Biochemical Processes Impacting Water Dynamic, Quality and Quantity 6.5

Troy Hernandez  PhD complete May 2013: MS in Statistics Completed Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Statistics (PhD) Advisor: David Radford Statistics/Gaming Theory 6.5

Nicole Jones  PhD Complete May 2011; Postdoc at UIC Undergraduate Institution: Chicago State University
UIC Academic Program: Anatomy and Cell Biology (PhD) Advisor: Dr. Yasuko Nakajima Signal transduction in brain neurons 5.0

Angenee Milton  PhD Complete Dec 2017 Undergraduate Institution: Chicago State University
UIC Academic Program: Biological Sciences (PhD) Advisor: Dr. Peter Okkema Muscle development-organogenesis in the nematode C. elegans

Evelyn Nwabuisi  PhD complete August 2012 Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Anatomy and Cell Biology (PhD) Advisor: Dr. Mary Joe Ladu Adult onset Neurodegeneration 6.0

Antonio Olivo dropped from program due to lack of academic progress Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Physiology (PhD) Advisor: Dr. Geula Gibori Molecular mechanism of hormone action and gene regulation.

Laura Pedro Rosa  PhD Complete May 2011; Postdoc Palm Beach, FL Undergraduate Institution: University of Puerto Rico at Rio Piedras
UIC Academic Program Chemistry (PhD) Advisor: Dr. Larry Miller Protein labeling 5.0

Christel Rushing  MS completed; pursuing Biostatistics grad degree at UNC Chapel Hill Undergraduate Institution: University of Florida
UIC Academic Program: Microbiology and Immunology (PhD) Advisor: Dr. Alan McLachlan Regulation of HBV gene expression
2006-2008 Bridge to the Doctorate at UIC Fellows, continued

Academic Results to Date 9 completed PhDs; 4 completed masters; 1 no degree completed; 14 of 14 enrolled in PhD Programs 9 of 14 completed PhDs

**Stephanie Stokes MS completed;** employed private industry Undergraduate Institution: Jackson State University
UIC Academic Program: Environmental and Occupational Health Sciences Advisor: Dr. Rosemary Sokas

**Lassandra Walker MS completed;** employed private industry Undergraduate Institution: Chicago State University
UIC Academic Program: Environmental and Occupational Health Sciences (PhD) Advisor: Dr. Nurtan Esman Aerosol physics

**David Weed PhD Completed May 2015** Undergraduate Institution: University of Illinois at Chicago UIC Academic Program: Bioengineering (PhD) Advisor: Dr. Richard Magin
Dermofluorometry 8.5
2007-2009 Bridge to the Doctorate at UIC Fellows
Academic Results to Date: 9 completed PhDs; 1 ABD; 1 completed masters; 1 no degree completed; 12 of 12 enrolled in PhD Programs 9 of 12 completed PhDs

Sonja Artis Completed BD program but did not earn degree; dropped from Neuroscience program because of lack of academic progress
Undergraduate Institution: Oakwood College UIC
Academic Program: Neuroscience (PhD) Advisor: Dr. Jim Unnerstall

Dorin Bogdan PhD Complete December 2012 Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Civil Engineering (PhD) Advisor: Dr. Ernesto Indacochea 5.0

Tiyvette Hilliard PhD Complete May 2012 Undergraduate Institution: Chicago State University
UIC Academic Program: Medicinal Chemistry (PhD) Advisor: Dr. Jon Fitzloff 5.0

Kristin Ivy PhD Complete May 2014 Undergraduate Institution: Grambling State University
UIC Academic Program: Biochemistry (PhD) Advisor: Dr. Jack Kaplan 6.5

Natalie King PhD Complete May 2014 Undergraduate Institution: Oakwood College
UIC Academic Program: Neuroscience (PhD) Advisor: Dr. Mark Rasenick 6.5

Kristine Lynn MS completed; working for federal agency in Washington, DC
Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Environmental & Occupational Health Science
Advisor: Dr. Lorraine Conroy

Ikenna Madueke PhD Complete May 2013 Undergraduate Institution: Chicago State University UIC
Academic Program: MD/PhD Advisor: Dr. Gail Prins 3.8

Liliana Marquez doctoral candidate Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Biological Sciences Advisor: Dr. Aixa Alfonso, Neurobiology

Leah Page PhD Complete May 2013 Undergraduate Institution: Southern University
UIC Academic Program: Chemistry (PhD) Advisor: Dr. Preston Snee 6.0

Mandek Richardson; PhD Complete December 2014 Undergraduate Institution: University of South Florida
UIC Academic Program: Bioengineering; Advisor: Dr. Michael Cho 6.5

O’Neil Shand PhD Complete December 2012 Undergraduate Institution: University of Florida
UIC Academic Program: Microbiology and Immunology (PhD) Advisor: Dr. Karl Volz 5.5

Tanganyika Wilder PhD Complete July 2014 Undergraduate Institution: Florida A&M University
UIC Academic Program: Physiology and Biophysics (PhD) Advisor: Dr. John Solaro 6.5
2008-2010 Bridge to the Doctorate at UIC Fellows

Academic Results to Date: 11 completed PhDs; 1 ABD; 2 completed masters; 2 no degree completed; 16 of 16 enrolled in PhD Programs

11 of 16 completed PhDs

Emmanuel Ansong PhD Complete July 2014 Undergraduate Institution: Oakwood University UIC Academic Program: Pathology (PhD) Advisor: Dr. Alan Diamond 5.5

Thessicar Antoine PhD Complete December 2013 Undergraduate Institution: Oakwood University UIC Academic Program: Microbiology and Immunology (PhD) Advisor: Dr. Deepak Shukla 4.5

Brian Estevez PhD Complete August 2016 Undergraduate Institution: City University of New York UIC Academic Program: Pharmacology (PhD) Advisor: Dr. Xiaoping Du 7.0

Renaldo Evans Completed program did not earn degree; Undergraduate Institution: Bethune Cookman University/University of South Florida UIC Academic Program: Bioengineering Advisor: Dr. Michael Cho

Antwoine Flowers PhD Complete January 2017 Undergraduate Institution: Tuskegee University USF Academic Program: Biochemistry and Molecular Genetics (PhD) Advisor: Drs. Alisa Katzen and Michael Caffrey 8.5

Diego Freire MS completed Undergraduate Institution: University of Illinois at Chicago UIC Academic Program: Computer Science (PhD) Advisor: Dr. Peter Nelson

Diana Gutierrez PhD Complete October 2015 Undergraduate Institution: University of Illinois at Chicago UIC Academic Program: Bioengineering (PhD) Advisor: Dr. David Eddington 6.0

Crystal Guzman MS Completed PhD Complete November 2017 Undergraduate Institution: University of Illinois at Chicago UIC Academic Program: Earth and Environmental Sciences (PhD) Advisor: Dr. Henry Howe

Crystalann Jones PhD Complete July 2014 Undergraduate Institution: Chicago State University UIC Academic Program: Chemistry (PhD) Advisor: Dr. Tom Driver 5.5

Kellen Marshall doctoral candidate Undergraduate Institution: Chicago State University UIC Academic Program: Ecology & Evolutionary Biology (PhD) Advisor: Dr. Miguel Gonzalez- Meler

Philip David McMullen PhD Complete July 2014 Undergraduate Institution: Miami University of Ohio UIC Academic Program MD/PhD Advisor: Dr. Nancy Freitag 3.8

Geovannie Ojeda-Torres PhD Complete October 2014; MS completed; Undergraduate Institution: University of Puerto Rico - Rio Piedras UIC Academic Program: Chemistry (PhD) Advisor: Dr. Scott Shippy 6.0
2008-2010 Bridge to the Doctorate at UIC Fellows, continued
Academic Results to Date: 11 completed PhDs; 1 ABD; 2 completed masters; 2 no degree completed; 16 of 16 enrolled in PhD Programs
11 of 16 completed PhDs

Michael Adam Palmer Completed program did not earn degree; Undergraduate Institution: Texas State University
UIC Academic Program: Neuroscience Advisor: Dr. Daniel Corcos

Jan Raphael Sagun MS Completed Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Electrical Engineering (PhD) Advisor: Dr. Derong Liu

Ellyana Sinkala PhD Complete November 2012 Undergraduate Institution: Vanderbilt University
UIC Academic Program: Bioengineering (PhD) Advisor: Dr. David Eddington 4.5

Shalina Taylor PhD Complete November 2013 Undergraduate Institution: Florida A & M University
UIC Academic Program: Pharmacology (PhD) Advisor: Dr. Jingsong Xu 5.5
**2013-2015 Bridge to the Doctorate at UIC Fellows Academic**

**Academic Results to Date:** 9 ABD; 3 continued enrollment; 12 of 12 enrolled in PhD Programs

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**Cassandre Coles** Undergraduate Institution: Oakwood University  UIC Academic Program: Pharmacology (PhD) Advisor: Dr. Richard Minshall

**Loruhama Delgado-Rivera doctoral candidate** Undergraduate Institution: University of Puerto Rico, Rio Piedras  UIC Academic Program: Medicinal Chemistry and Pharmacognosy Advisor: Dr. Gregory Thatcher

**Robel Demissie doctoral candidate** Undergraduate Institution: University of Illinois at Chicago  UIC Academic Program: Chemistry (PhD) Advisor: Dr. Leslie Fung

**Juan Guzman doctoral candidate** Undergraduate Institution: University of Illinois at Chicago  UIC Academic Program: Mechanical Engineering (PhD) Advisor: Dr. Ken Brezinski

**Amanda Henderson; doctoral candidate** Undergraduate Institution: DePaul University  UIC Academic Program: Biological Sciences Advisor: Dr. David Wise

**Clara Iglesias** Undergraduate Institution: Purdue University via IUPUI  UIC Academic Program: Pathology Advisor: Dr. Boninni

**Kascha Fuller doctoral candidate** Undergraduate Institution: Howard University  UIC Academic Program: Biochemistry and Molecular Genetics Advisor: Dr. Ajay Rana

**Nathan Lopez doctoral candidate** Undergraduate Institution: University of California, Santa Barbara  UIC Academic Program: Mathematics, Statistics, & Computer Science Advisor: Dr. Dumas

**Vanessa Nepomuceno doctoral candidate** Undergraduate Institution: South Carolina State University  UIC Academic Program: Medicinal Chemistry and Pharmacognosy (PhD) Advisor: Dr. Brian Murphy

**Lillian Perez** Undergraduate Institution: DePaul University  UIC Academic Program: Biological Sciences (PhD) Advisor: Dr. Aixa Alfonso

**Dianicha Santana Nunez doctoral candidate** Undergraduate Institution: University of Puerto Rico Humacao  UIC Academic Program: Pharmacology (PhD) Advisor: Dr. John O’Bryan

**Kayleigh Tovar doctoral candidate** Undergraduate Institution: University of Illinois at Chicago  UIC Academic Program: Microbiology and Immunology Advisor: Dr. Michael Federle
2015 - 2017 Bridge to the Doctorate at UIC Fellows

Academic Results to Date: 2 ABD; 7 continued enrollment; 1 no degree completed; 10 of 10 enrolled in PhD Programs

Xiomarie Alejandro Navarreto Undergraduate Institution: University of Puerto Rico, Humacao
UIC Academic Program Microbiology and Immunology (PhD) Advisor: Dr. Nancy Freitag

Joshua Ames doctoral candidate Undergraduate Institution: Kansas State University
UIC Academic Program Microbiology and Immunology (PhD) Advisor: Dr. Deepak Shukla

Deisy Arrington doctoral candidate Undergraduate Institution: University of Illinois at Chicago
UIC Academic Program: Chemical Engineering Advisor: Dr. Vikas Berry

Alanna Condren Undergraduate Institution: Florida State University
Academic Program: Chemistry (PhD) Advisor: Dr. Laura Sanchez

Jason Garcia Undergraduate Institution: Northeastern Illinois University
UIC Academic Program: Pathology (PhD) Advisor: Dr. Alan Diamond

James Hopkins Undergraduate Institution: Northeastern Illinois University
UIC Academic Program: Microbiology & Immunology (PhD) Advisor: Dr. Deepak Shukla

Juan Maldonado Weng Undergraduate Institution: University of Puerto Rico, Cayey
UIC Academic Program: Anatomy & Cell biology (PhD) Advisor: Dr. Mary Jo Ladu

David Pettie; Dropped by department due to lack of academic progress
Undergraduate Institution: Northeastern Illinois University
UIC Academic Program: Medicinal Chemistry and Pharmacognosy Advisor: Dr. DiMagno

Bethanie Statler Undergraduate Institution: Ohio State University
UIC Academic Program: Biological Sciences (PhD) Advisor: Dr. Henry Howe

Diandra Vaval Undergraduate Institution: Chicago State University
UIC Academic Program: Biochemistry and Molecular Genetics: Dr. Nancy Freitag

NOTE: Cohort numbers due to award (minus 2) due to change in admission and enrollment status for 2 previously admitted students. 2 students could not be added via full year no cost extension.