A partnership between MUSC-Clemson Biomedical Data Science and Informatics PhD Program [https://www.cs.clemson.edu/bdsi/](https://www.cs.clemson.edu/bdsi/) and South Carolina State University

Up to 3 predoctoral (starting in Summer of 2022) and 2 postdoctoral (starting 2024) slots provide:

- Didactic training in biomedical informatics, biomedical data science, population health and understanding health equity;
- Mentored experiences in implementing data science and informatics solutions that impact communities and partnering stakeholder organizations across South Carolina;
- Experiences in teaching and mentorship of diverse audiences;
- Skills in research development and grant writing.

Contact: alekseye@musc.edu
<table>
<thead>
<tr>
<th>Course</th>
<th>Timeframe</th>
<th>Sem. hours</th>
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</thead>
<tbody>
<tr>
<td><strong>SC BDSI Area I: Biomedical Informatics</strong></td>
<td></td>
<td>16</td>
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<tr>
<td><strong>SC BDSI Area II: Data Science Fundamentals</strong></td>
<td></td>
<td>18</td>
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<tr>
<td><strong>SC BDSI Area III: Population Health, Health Systems, and Policy</strong></td>
<td></td>
<td>6</td>
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<tr>
<td><strong>NEW Seminar and journal club on issues in rural health and underserved populations (BDSI 771)</strong></td>
<td>Year 1 Fall</td>
<td>1</td>
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<tr>
<td>Designing Rigorous Research (e.g. MUSC:CGS 727 or similar course at Clemson)</td>
<td>Year 1 Fall</td>
<td>1</td>
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<tr>
<td>Translational Research Day</td>
<td>Year 1 Winter</td>
<td>N/A</td>
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<tr>
<td>Teaching Techniques (e.g. MUSC:CGS 725, CLEM:ED 8810, CLEM:ED 8760, or similar)</td>
<td>Year 1 Spring</td>
<td>2</td>
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<tr>
<td><strong>SC BDSI Area IV: Health Disparities (MUSC:BMTRY 759 or CLEM:HLTH 8030)</strong></td>
<td>Year 1 Spring</td>
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<tr>
<td>Annual NLM Informatics Training Conference</td>
<td>Year 1 Summer</td>
<td>N/A</td>
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<tr>
<td>F30/F31 Grant Writing Course (MUSC:CGS 712 or similar course at Clemson)</td>
<td>Year 1 Summer</td>
<td>1</td>
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<tr>
<td><strong>NEW Translational Research Day</strong></td>
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<tr>
<td>Teaching diverse undergraduates in biomedical informatics and data science (BDSI 773)</td>
<td>Year 2 Spring</td>
<td>1</td>
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<tr>
<td>Annual NLM Informatics Training Conference</td>
<td>Year 2 Summer</td>
<td>N/A</td>
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<tr>
<td><strong>NEW Mentoring preceptorship (BDSI 774)</strong></td>
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<tr>
<td>Annual NLM Informatics Training Conference</td>
<td>Year 2 Summer</td>
<td>1</td>
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<tr>
<td><strong>Year 3 Optional Electives in professional development and entrepeneurship</strong></td>
<td>Year 3 Summer</td>
<td>N/A</td>
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<tr>
<td>Principles, Practices and Professionalism (CGS 770)</td>
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<tr>
<td>Science Writing as Persuasion: Audience, Genre, and Style (CGS 764)</td>
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<tr>
<td>Integrated Interprofessional Studies (IP756/CGS 756)</td>
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<tr>
<td>Entrepreneurship in the Biomedical Space Certificate course</td>
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<tr>
<td>Biomedical Commercialization (CGS 729)</td>
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<td>3</td>
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<tr>
<td>Community Engagement Research (MCR 772)</td>
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</table>

* Appointed trainees will have at least 20 credit hours of Area I-III coursework completed by the time of appointment
Primary training focus:

**SC BDSI**
Didactic coursework; research rotations; research development

**SC BIDS4HEALTH**
Research, electives, professional development
Research

* if necessary
INTERESTED CANDIDATES, PLEASE FOLLOW THE LINK TO THE RIGHT TO COMPLETE THE SC BIDS4HEALTH TRAINING PROGRAM CANDIDATE INTEREST FORM

https://redcap.musc.edu/surveys/?s=4C7EJ9DPXEM8NKDR
CONTACTS

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- website: https://www.cs.clemson.edu/bdsi/