

**SC BIOMEDICAL INFORMATICS AND DATA SCIENCE FOR  
HEALTH EQUITY RESEARCH TRAINING  
(SC BIDS4HEALTH)**

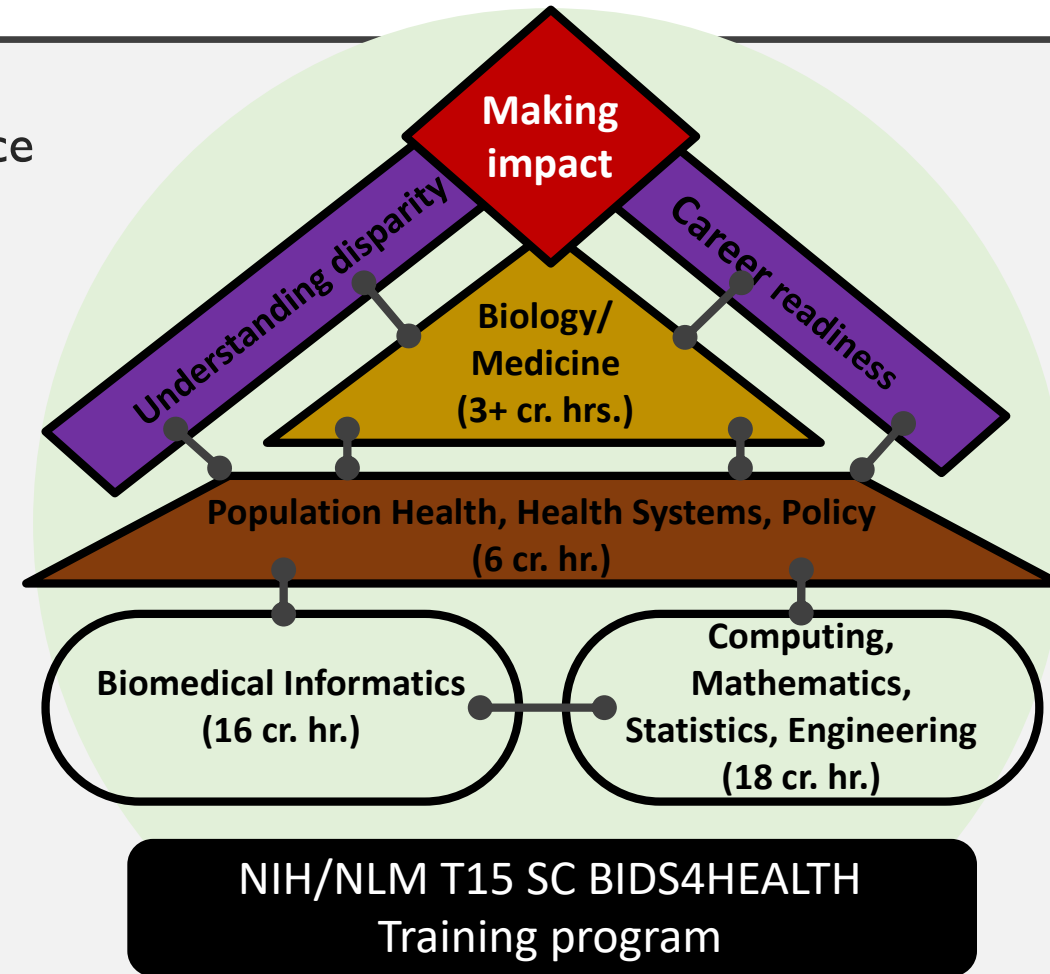
**NLM GRANT T15LM013977**

# BIOMEDICAL INFORMATICS DATA SCIENCE FOR HEALTH EQUITY RESEARCH SC BIDS4HEALTH TRAINING PROGRAM

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

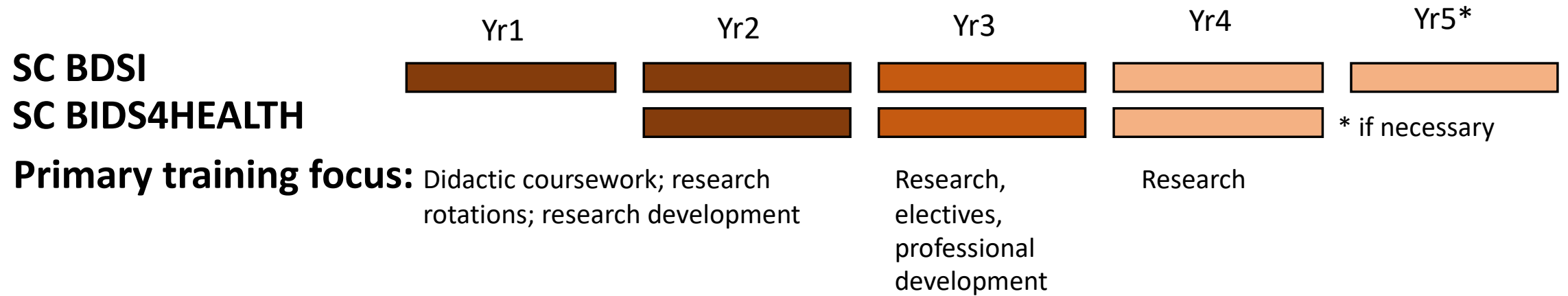
Up to 3 predoctoral (starting in Summer of 2022) and 2 postdoctoral (starting 2024) slots provide:

- 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](mailto:alekseye@musc.edu)

<b>Major components of SC BIDS4HEALTH predoctoral training</b>			
	<b>Course</b>	<b>Timeframe</b>	<b>Sem. hours</b>
<b>Required components</b>			
	<b>SC BDSI Area I:</b> Biomedical Informatics	Year 0/1*	16
	<b>SC BDSI Area II:</b> Data Science Fundamentals		18
	<b>SC BDSI Area III:</b> Population Health, Health Systems, and Policy		6
NEW	Seminar and journal club on issues in rural health and underserved populations (BDSI 771)	Year 1 Fall	1
	Designing Rigorous Research (e.g. MUSC:CGS 727 or similar course at Clemson)	Year 1 Fall	1
	Translational Research Day	Year 1 Winter	N/A
	Teaching Techniques (e.g. MUSC:CGS 725, CLEM:ED 8810, CLEM:ED 8760, or similar)	Year 1 Spring	2
	<b>SC BDSI Area IV:</b> Health Disparities (MUSC:BMTRY 759 or CLEM:HLTH 8030)	Year 1 Spring	3
	Annual NLM Informatics Training Conference	Year 1 Summer	N/A
	F30/F31 Grant Writing Course (MUSC:CGS 712 or similar course at Clemson)	Year 1 Summer	1
NEW	Informatics and data science practicum to better communities (BDSI 772)	Year 2 Fall	3
	Translational Research Day	Year 2 Winter	N/A
NEW	Teaching diverse undergraduates in biomedical informatics and data science (BDSI 773)	Year 2 Spring	1
	Annual NLM Informatics Training Conference	Year 2 Summer	N/A
NEW	Mentoring preceptorship (BDSI 774)	Year 2 Summer	1
	Annual NLM Informatics Training Conference	Year 3 Summer	N/A
<b>Year 3 Optional Electives in professional development and entrepreneurship</b>			
	Principles, Practices and Professionalism (CGS 770)		2
	Science Writing as Persuasion: Audience, Genre, and Style (CGS 764)		1
	Integrated Interprofessional Studies (IP756/CGS 756)		3
	Entrepreneurship in the Biomedical Space Certificate course		3
	Biomedical Commercialization (CGS 729)		3
	Community Engagement Research (MCR 772)		3
* Appointed trainees will have at least 20 credit hours of Area I-III coursework completed by the time of appointment			



**SC BIDS4HEALTH AND SC BDSI TIMELINE ALIGNMENT**

**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](https://redcap.musc.edu/surveys/?s=4C7EJ9DPXEM8NKDR)



# CONTACTS

- Alexander Alekseyenko, PI, [alekseye@musc.edu](mailto:alekseye@musc.edu)
- Brian Dean, Co-PI, [bcdean@clemson.edu](mailto:bcdean@clemson.edu)
- Marvella Ford, Associate Program Director, [fordmar@musc.edu](mailto:fordmar@musc.edu)
- Taneisha Simpson, [simpst@musc.edu](mailto:simpst@musc.edu)
- website: <https://www.cs.clemson.edu/bdsi/>
- press release: <https://www.eurekalert.org/news-releases/954052>