

Rutgers Youth Enjoy Science  
(RUYES) Mentored Research Program  
120 Albany Street, Tower 2, 5<sup>th</sup> Fl, RM 5000H  
New Brunswick, NJ 08901  
Rutgers Cancer Institute of NJ  
Rutgers, The State University of New Jersey

Congratulations and welcome to the **Rutgers Youth Enjoy Science (RUYES) Mentored Research Program** for 2023 and 2024 at Rutgers Cancer Institute of New Jersey, *195 Little Albany Street, New Brunswick, NJ.*

We are pleased to share that you will be joining the RUYES trainees from our second year (cohort 2). RUYES participants (total of 28 participants; 8 teachers and 20 students) are from schools and colleges across the state of New Jersey. They include teachers from Newark Public Schools, Linden Public Schools, Woodbridge High School, Bayonne Public Schools, Passaic Public Schools, High Tech High School and Perth Amboy Public Schools. High school students are from Piscataway High School, High Tech High School, Stuart Country Day School, Union County Academy for Allied Health and Biomedical Sciences, New Brunswick Health Science Technology High School, and McNair High School. Undergraduate students are from Rutgers University, The College of New Jersey, Bloomfield College and Montclair State.

The Program dates for summer 2023 are **Wednesday, June 21 – August 31, 2023 (completion date for teachers is August 23)**, at the Rutgers Cancer Institute of New Jersey. We have planned an exciting orientation week (June 22 – June 29) that includes various trainings and workshops to help prepare you for your summer long mentored research experience. All participants will receive trainings in Health Insurance Portability & Accountability Act (HIPAA), Cancer Health Disparities and Inequalities, and Implicit Bias; and Introduction to Rutgers online platforms. In addition, they will have the opportunity to review and discuss scientific research papers. Additional specific trainings may also be arranged for individual trainees.

Enclosed you will find, additional materials needed for the orientation and the schedule of the Professional Development (PD) activities over the summer. If you have questions or would like more information about RUYES, please feel free to contact us. Please note that June 21 is virtual, check your emails for specific details.

Thank you,  
RUYES TEAM

### Orientation Week Schedule

Date/Time	Location	Summary of Activities
Wednesday, June 21 1:30-3:30PM	ZOOM/Asynchronous	HIPPA Training Rutgers Ethics Training Canvas Parking and Reimbursement
Thursday, June 22 Undergrads 10am-4pm Teachers/HS 1pm-4pm	Undergrads – CINJ Aud A Teachers/HS - ZOOM/Asynchronous	<b>DRY LAB</b> CITI Training/SPSS <b>WET LAB</b> Lab Safety Training <b>ALL 3pm-4pm</b> How to Access Research Papers using your Rutgers ID
Friday, June 23 (bring your own lunch)	Wet Lab –9am-1:30pm at CINJ DRY Lab -Asynchronous (but welcome to join us at CINJ for quiet space)	<b>WET LAB</b> Lab Skills Training <b>DRY LAB</b> CITI Training/SPSS
Monday, June 26 (Lunch Provided) 9am – 5 pm	Rutgers Cancer Institute of NJ 195 Little Albany St New Brunswick, NJ Aud A	Welcome and Introductions Poster Presentations Cancer Survivorship Disparities Mentor Presentations Learning Agreements Lab Skills Training Report to Lab for individual training <b>Cohort 2, 4pm</b> Community Scientist Training
Tuesday, June 27 (Lunch Provided) 9am – 4 pm	Rutgers Cancer Institute of NJ 195 Little Albany St New Brunswick, NJ Aud A	Welcome and Icebreakers Communication with Mentors How to Study for the Sciences Responsible Conduct of Research
Wednesday, June 28 (Lunch Provided) 9am – 4 pm	Rutgers Cancer Institute of NJ 195 Little Albany St New Brunswick, NJ Aud A	<b>Teachers</b> Curriculum Overview NGSS Lesson Alignment PBL components <b>Students</b> Lab Skills Training Mentor Presentations Professionalism in the Lab <b>All</b> Diversity and Inequality Training
Thursday, June 29 9am – 4 pm	<b>Teachers</b> (Lunch Provided) Rutgers Cancer Institute of NJ 195 Little Albany St New Brunswick, NJ Aud A <b>Students</b> Report to Researcher	<b>Teachers</b> Decoding Cancer Curriculum What is Cancer? Pathology of Cancer Genetic Counseling Treatment and Risk Reduction <b>Students</b> Report to Researcher

Additional details and specifics are posted on canvas. You should have received a calendar invite.

### Summer 2023 Professional Development Schedule

As promised, I wanted to provide you with the professional development schedule. The Program requires 5-6 hours a week of professional development throughout the summer. Based on past experience and feedback from the participants we found that ~3 hour sessions are the most productive use of time. Surveys of past participants, mentors, and guest speakers this year showed that **Mondays 3pm-6pm and Tuesdays 9am-12pm** are ideal (with minimal interruptions to research and lab meetings). Please prepare to leave research 20-30min earlier than the report time to permit for traffic, parking, and settling in. The schedule report location is as follows:

#### Cohort 2 Teachers

Date	Location	Topics
Monday 7/3	Asynchronous work – Canvas Submissions	Reviewing Research Paper/Finalize required training/Picture a Scientist
Tuesday 7/4	No PD holiday	n/a
Monday 7/10	In person – Aud A CINJ	COE Topics of Cancer Biology
Tuesday 7/11	In person – BUSCH Campus/ CSCME Building	Curriculum Writing
Monday 7/17	Virtual Synchronous – Live presentations / discussions on zoom	COE Topics of Cancer Biology
Tuesday 7/18	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
Monday 7/24 3:30PM*	In person – Aud A CINJ (if possible bring laptop)	Poster Training using PPT
Tuesday 7/25	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
Monday 7/31	In person – Aud A CINJ	COE Topics of Cancer Biology
Tuesday 8/1	In person – BUSCH Campus/ CSCME Building	Curriculum Writing
Monday 8/7	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/8	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
Monday 8/14	Asynchronous work – Canvas Submissions/ 3PM Synchronous Live discussion	Focus Group/Program Evaluation Time to work on Poster
Tuesday 8/15	In person – BUSCH Campus/ CSCME Building	Curriculum Writing
Monday 8/21	OPTIONAL -- In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/22	n/a	
Wednesday 8/23	In person – Courtyard RWJ Poster Symposium 10am-4pm (feel free to invite family, friends, principal)	Poster Symposium

Parking will be provided to those who indicated they will be taking their car. Those taking the train should note CINJ is walking distance from the train station but BUSCH campus requires you to take the RUTGERS bus. (Note the dates highlighted in orange require busing)

Cohort 3 Teachers

<b>Date</b>	<b>Location</b>	<b>Topics</b>
Monday 7/3	Asynchronous work – Canvas Submissions	Reviewing Research Paper/Finalize required training
Tuesday 7/4	No PD holiday	n/a
Monday 7/10	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 7/11	In person – BUSCH Campus/ CSCME Building	Curriculum Writing
Monday 7/17	Virtual Synchronous – Live presentations / discussions on zoom	COE Topics of Cancer Biology
Tuesday 7/18	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
Monday 7/24 3:30PM*	In person – Aud A CINJ (if possible bring laptop)	Poster Training using PPT
Tuesday 7/25	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
Monday 7/31	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/1	In person – BUSCH Campus/ CSCME Building	Curriculum Writing
Monday 8/7	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/8	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
Monday 8/14*	Asynchronous work – Canvas Submissions/ 4:30PM Synchronous Live discussion	Focus Group/Program Evaluation Time to work on Poster
Tuesday 8/15	In person – BUSCH Campus/ CSCME Building	Curriculum Writing
Monday 8/21	OPTIONAL -- In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/22	n/a	
Wednesday 8/23	In person – Courtyard RWJ Poster Symposium 10am-4pm (feel free to invite family, friends, principal)	Poster Symposium

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Cohort 2 Students

<b>Date</b>	<b>Location</b>	<b>Topics</b>
<b>Week 2</b>		
Monday 7/3	Asynchronous work – Canvas Submissions	Reviewing Research Paper/Finalize required training
Tuesday 7/4	No PD holiday	n/a
<b>Week 3</b>		
Monday 7/10	In person – Aud A CINJ	COE Topics of Cancer Biology
Tuesday 7/11* time might be afternoon	In person – Aud A CINJ	Importance of Communicating Science
<b>Week 4</b>		
Monday 7/17	Virtual Synchronous – Live presentations / discussions on zoom	COE Topics of Cancer Biology
Tuesday 7/18	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 5</b>		
Monday 7/24 3:30PM*	In person – Aud A CINJ (if possible bring laptop)	Poster Training using PPT
Tuesday 7/25	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 6</b>		
Monday 7/31	In person – Aud A CINJ	COE Topics of Cancer Biology
Tuesday 8/1	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 7</b>		
Monday 8/7	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/8	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 8</b>		
Monday 8/14*	Asynchronous work – Canvas Submissions/ 5:15PM Synchronous Live discussion	Focus Group/Program Evaluation Time to work on Poster
Tuesday 8/15	TBD - In person – Aud A CINJ	
<b>Week 9</b>		
Monday 8/21	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/22	Report to research	
Wednesday 8/23	In person – Courtyard RWJ Poster Symposium 10am-4pm (feel free to invite family, friends. principal)	Poster Symposium
<b>Week 10</b>	No PD scheduled; report to research and attend research team meetings	

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### Cohort 3 Students

Date	Location	Topics
<b>Week 2</b>		
Monday 7/3	Asynchronous work – Canvas Submissions	Reviewing Research Paper/Finalize required training
Tuesday 7/4	No PD holiday	n/a
<b>Week 3</b>		
Monday 7/10	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 7/11* time might be afternoon	In person – Aud A CINJ	Importance of Communicating Science
<b>Week 4</b>		
Monday 7/17	Virtual Synchronous – Live presentations / discussions on zoom	Topics of Cancer Biology
Tuesday 7/18	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 5</b>		
Monday 7/24 3:30PM*	In person – Aud A CINJ (if possible, bring laptop)	Poster Training using PPT
Tuesday 7/25	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 6</b>		
Monday 7/31	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/1	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 7</b>		
Monday 8/7	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/8	In person – BUSCH Campus Allison Rd Classroom Building	Rutgers Science Explorer Hands on Activity
<b>Week 8</b>		
Monday 8/14	Asynchronous work – Canvas Submissions	Focus Group/Program Evaluation Time to work on Poster
Tuesday 8/15	TBD - In person – Aud A CINJ/ 9AM Synchronous Live discussion	
<b>Week 9</b>		
Monday 8/21	In person – Aud A CINJ	Topics of Cancer Biology
Tuesday 8/22	Report to research	
Wednesday 8/23	In person – Courtyard RWJ Poster Symposium 10am-4pm (feel free to invite family, friends. principal)	Poster Symposium
<b>Week 10</b>		
	No PD scheduled; report to research and attend research team meetings	

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