ARRO Executive Committee Statement
Elizabeth Jeans, MD

Radiation Oncology Colleagues,

We find ourselves at a unique and pivotal standpoint within our field. One at which the fundamental educational needs for success in our field feel disjointed and one where the endpoint itself has become muffled in regards to what is pertinent to our continued success in clinical practice and research.

ARRO continues to play a critical role in navigating a difficult time for radiation oncology residents, advocating on our behalf, and working to achieve solutions to standardize and focus the learning process from residency to residency. Although only a brief 6 months into my residency, I already have felt empowered by ARRO’s mission and goals for continued improvement in resident learning, resident representation, and overall resident well-being.

Considering ARRO’s continued dedication, perseverance, and passion for resident training, I am confident that my unique background and experience can benefit the organization’s continued desire for improvement in resident education. As a previous curriculum design specialist across multiple scientific fields, I feel empowered to utilize my skills in developing curriculum to improve resident learning. As a previous consultant in curriculum analysis and improvement, I feel empowered to analyze our outcomes in resident learning and use to them to power and modify reasonable endpoints for resident education.

More specifically, below are a few areas in which I feel most inspired to use my skills for improvement in resident learning:

1. Resources have been developed to improve resident education independent of our program’s specific educational requirements. Regardless, these have yet to become widely available nor validated against outcomes in resident training exams and should be utilized to push conversation regarding appropriate testing endpoints.
2. While resources are actively being produced and available, they have yet to be adequately stratified across PGY years in order to foster a step-wise learning curriculum that will instill significant retention in acquired knowledge.
3. There is a lack of unifying involvement of pivotal educators and leaders of our field into resident wide educational resources that will allow for clear acquisition of knowledge across institutions that may not have easy access to less commonly used treatment techniques (i.e. brachytherapy, proton therapy, pediatric population).

In summary, as part of ARRO’s executive summary, I would aim to improve resident education through tangible curricular resources, as well as utilizing pertinent outcomes to drive the continued conversation regarding meaningful endpoints in our field. Furthermore, I would endeavor to represent the voice of all, as compared to the voice of some in order to improve learning across residency programs, which vary greatly in size and resources. I would be honored to serve on the ARRO executive committee and know my specific background and training in curriculum and leadership would translate to meaningful outcomes for resident learning and well-being. I am excited at the opportunity to join the leadership committee and appreciate your consideration of my candidacy.

Sincerely,
Elizabeth (Liz) Jeans
# ELIZABETH B. JEANS

## EDUCATION & TRAINING

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<tr>
<th>Year</th>
<th>Institution</th>
<th>Type</th>
<th>Location</th>
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<tbody>
<tr>
<td>2018-2022</td>
<td>Mayo Clinic</td>
<td>Residency, Radiation Oncology</td>
<td>Rochester, MN</td>
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<tr>
<td>2017-2018</td>
<td>Presence St. Francis</td>
<td>Internship, Transitional Year</td>
<td>Evanston, IL</td>
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<td>2013-2017</td>
<td>Rush Medical College</td>
<td>Rush University Medical Center Doctor of Medicine</td>
<td>Chicago, IL</td>
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<tr>
<td>2011-2013</td>
<td>Dominican University</td>
<td>Master of Arts in Education</td>
<td>River Forest, IL</td>
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<tr>
<td>2007-2011</td>
<td>Rhodes College</td>
<td>Bachelor of Arts in Chemistry Bachelor of Arts in Physics Minor in Modern French Language, Women’s Studies</td>
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## PERTINENT WORK & LEADERSHIP EXPERIENCE

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<tr>
<th>Year</th>
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<tr>
<td>2017-2018</td>
<td>Executive Medical Education Committee</td>
<td>Evanston, IL</td>
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<td>2015-2017</td>
<td>Executive Curriculum Design Workgroup</td>
<td>Chicago, IL</td>
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<td>2013-2017</td>
<td>Committee on Curriculum and Evaluation</td>
<td>Chicago, IL</td>
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<tr>
<td>2013-2017</td>
<td>Curriculum Executive Committee (MS2)</td>
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Mini Medical School  
President/Creator  
Chicago, IL  
- A summer program, which provides intensive medical preparatory knowledge to inner-city students. Responsibilities as Coordinator included planning, facilitating, and reviewing the program and its efficacy, including content development and delivery.

Director of Science Curriculum Development  
Teach for America  
Chicago, IL  
- Oversaw development and implementation of the physics, biology, and chemistry curriculums for Chicago corps of Teach for America, across over 50 schools. Tracked efficiency of implementation and addressed proposals to school board regarding further needs to increase STEM careers through empowering science and math education in high school.

Curriculum Consultant  
CICS-Northtown Academy  
Chicago, IL  
- Worked independently for educational group, developing hands-on curriculum across both science and math for execution into the classrooms across campuses.

Teach for America  
Chemistry, Honors/AP Physics, AP Biology Teacher, Mentor Teacher  
Chicago, IL  
- Worked for two years as a secondary science teacher in low-income, inner-city school. During second year, served as mentor teacher for incoming science and math teachers under department chair.

RESEARCH

BOOK CHAPTERS

ABSTRACTS & PUBLICATIONS


PRESENTATIONS


Jeans, E.B. and M. Cafiero. Comparison of complete basis set of extrapolated CCSD(T) and DFT methods for the interaction energies of various benzene and borazine dimers: Role of boronated molecules in cancer treatment. 241st National American Chemical Society Conference. March 27 – March 31, 2011.

Jeans, E.B. and M. Cafiero. Comparison of complete basis set of extrapolated CCSD(T) and DFT methods for the interaction energies of various benzene and borazine dimers: Role of boronated molecules in cancer treatment. 31st Annual Undergraduate Research Conference. University of Memphis. February 26, 2011.


Jeans, E.B. and M. Cafiero. Comparison of complete basis set of extrapolated CCSD(T) and DFT methods for the interaction energies of various benzene and borazine dimers: Role of boronated molecules in cancer treatment. 239th National American Chemical Society Conference. March 21 – March 25, 2010.

Jeans, E.B. and M. Cafiero. Comparison of complete basis set of extrapolated CCSD(T) and DFT methods for the interaction energies of various benzene and borazine dimers: Role of boronated molecules in cancer treatment. 30th Annual Undergraduate Research Conference. University of Memphis. February 27, 2010.

Jeans, E.B. and M. Cafiero. Comparison of complete basis set of extrapolated CCSD(T) and DFT methods for the interaction energies of various benzene and borazine dimers: Role of boronated molecules in cancer treatment. 18th Conference on Current Trends in Computational Chemistry. October 30, 2009.

PREVIOUS RESEARCH AFFILIATIONS

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<tr>
<th>Year</th>
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<td>2016</td>
<td><strong>Mayo Clinic, Phoenix</strong></td>
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<td></td>
<td><em>Department of Radiation Oncology</em></td>
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<td>2016</td>
<td><strong>Emory School of Medicine Winship Cancer Institute</strong></td>
<td>Atlanta, GA</td>
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<td></td>
<td><em>Department of Radiation Oncology</em></td>
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<td>2016</td>
<td><strong>Vanderbilt University</strong></td>
<td>Nashville, TN</td>
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<td><em>Department of Radiation Oncology</em></td>
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<td>2015-2016</td>
<td><strong>Rush University Medical Center</strong></td>
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<td>2013-2015</td>
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<td><em>Department of Neurosurgery</em></td>
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<tr>
<td>2008-2011</td>
<td><strong>Rhodes College</strong></td>
<td>Memphis, TN</td>
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<td></td>
<td><em>Computational/Translational Chemistry</em></td>
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<td>2008-2011</td>
<td><strong>St. Jude Children’s Research Hospital</strong></td>
<td>Memphis, TN</td>
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<td></td>
<td><em>Department of Chemical Biology and Therapeutics</em></td>
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<td>2010</td>
<td><strong>Mayo Clinic, Scottsdale</strong></td>
<td>Scottsdale, AZ</td>
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<td></td>
<td><em>Department of Biochemistry and Molecular Biology</em></td>
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ACADEMIC HONORS/AWARDS

- **Frankel Award**  
  Mayo Clinic – Arizona
- **Innovative Clinical Research Award**  
  Rush University Medical Center
- **Honors Academic Distinction**  
  Rush Medical College
- **Chicago Outstanding Educator Award**  
  City of Chicago
- **Mayo SURF Research Fellow**  
  Mayo Clinic, Scottsdale
- **Chemical Biology and Therapeutics Research Grant**  
  St. Jude’s Children’s Research Hospital
- **ACS Physical Chemistry Research Grant**  
  Rhodes College
- **Cum Laude Academic Distinction**  
  Rhodes College
- **Merit Scholar**  
  Rhodes College

PROFESSIONAL MEMBERSHIPS

Association of Residents in Radiation Oncology (ARRO)
American Society for Radiation Oncology (ASTRO)
American Board of Radiology (ABR)
American Society of Clinical Oncology (ASCO)
Radiological Society of North America (RSNA)