Science Boot Camp for Librarians

Happy 10th Anniversary!!!!
A look at the history of Science Boot Camp for Librarians...
Where have we been?
What have we learned about?
Who has been here?

Total Number of attendees: ~564!
Number of organizers: 39
Number of scholarships given: ~25
BUTTONS!
Physics cat prefers...

to sit on something soft.
UMass Dartmouth 2009 - the very first boot camp!
Liz Winiarz at dinner during Boot Camp 2009
Dr. Brian Howes from UMD on estuaries
Dr Qian Yu from UMA on remote sensing
Matt Barlow from UML on climate change
Registration and swag tables 2010
Sponsor Organizations (over the years)

- NNLM NER
- UMass Amherst
- UMass Boston
- UMass Dartmouth
- UMass Lowell
- UMass Medical School
- Worcester Polytechnic Institute
- Tufts University
- College of the Holy Cross
- University of Connecticut
- University of New Hampshire
- Bowdoin College
- Brandeis University
- Williams College
- The Boston Library Consortium
UMass Lowell 2010 - tour of downtown Lowell and mills
Radar Imaging of the Ocean
Airborne Image of Chiapas, Mexico
- Backscatter Map
- Correlation Map
UMass Lowell singalong with songs written by Sally Gore!
Boot piñata at Umass Lowell
2010 boot camp feedback word cloud
Capstone Topics

2010: Data curation at Cornell (DataStaR), update on e-Science portal

2011: Science informatics at MBLWHOI Library featuring Encyclopedia of Life, Biodiversity Library, and NetiNeti

2012: New England librarians’ experiences at ARL e-Science institute, educating the e-Science librarian (what should library schools be offering?)

2013: How to talk with a researcher (included group interviews with grad students)

2014: Communicating Science, Citizen Science

2015: OSTP Policy and its Impact on Institutions and Libraries; Writing and Critiquing data management plans

2016: Science Literacy

2017: A Week in the Life of The Scholarly Communications Office (panel and discussion with the UMass Amherst Scholarly Communications Office)
Einstein developed a theory about space and it was about time too.
2011 at WPI - Hello!
Robotics lab tour at WPI - 2011
What are galaxies?

- The homes of stars
- Gravitationally bound – can’t float away
- Galaxies also contain: black holes, the interstellar medium (ISM) and dark matter (90% of mass!)
- Different types of galaxies: spirals/ellipticals/irregulars
- Different “colors”: quiescent/star-forming
- Different sizes: dwarf-mass (10^7-10^12 stars)
I WOULD MAKE ANOTHER CHEMISTRY JOKE

BUT ALL THE GOOD ONES ARGON
## SBC Registration Fees

<table>
<thead>
<tr>
<th>Year</th>
<th>Host Campus</th>
<th>Full Registration</th>
<th>Commuter</th>
<th>One-Day</th>
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<tbody>
<tr>
<td>2009</td>
<td>UMass Dartmouth</td>
<td>$200</td>
<td>$100</td>
<td>$50</td>
</tr>
<tr>
<td>2010</td>
<td>UMass Lowell</td>
<td>$200</td>
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<td>$50</td>
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<tr>
<td>2011</td>
<td>WPI</td>
<td>$200</td>
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<td>2012</td>
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<td>2013</td>
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<tr>
<td>2014</td>
<td>UConn</td>
<td>$275</td>
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<td>$125</td>
</tr>
<tr>
<td>2015</td>
<td>Bowdoin</td>
<td>$275</td>
<td>$275</td>
<td>$125</td>
</tr>
<tr>
<td>2016</td>
<td>UMass Dartmouth</td>
<td>$275</td>
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<tr>
<td>2017</td>
<td>UMass Amherst</td>
<td>$275</td>
<td>$225</td>
<td>$125</td>
</tr>
</tbody>
</table>
“Thinking caps” at WPI - 2011
Boot piñata at WPI 2011
**Evening Events**

2010: Dinner and Boot Camp Songs, Non-Sensible Shoe Contest

2011: Thinking Cap Contest

2012: Women in Science Dinner Panel

2013: Dessert & Lightning Rounds (5 min. presentations on range of topics related to your professional work)

2014: Personalized Medicine presentation; Poster Project Runway

2015: For the Blood is the Life: Dracula and the early history of blood transfusions presentation; Battledeck contest

2016: Dolphin Politics in Shark Bay presentation, Casual Lightning Talks

2017: Umass Dining Services Sustainability Practices presentation
Evening banquet at Tufts - 2012
2014 Poster Project Runway at UConn
2014 Poster Project Runway at UConn
Dr. Garlick presents at UConn 2014 - he performed his science rap songs for us!
Cats are liquids.

“Liquids ... take the shape of the container while maintaining a constant volume”. That’s it. So cats are liquid.
Friday afternoon trip to Bowdoin's Coastal Studies Center Marine Lab on Orr's Island
Some of the natural beauty we saw on Orr’s Island
Beautiful, Brutalist Umass Dartmouth - 2016
History Helping Science in the Quinebaug River Study

Neil M. Fennessey
University of Massachusetts Dartmouth
Civil and Environmental Engineering
A Focus on a New KISS Principle

Chris Swan
Associate Dean
Tisch College of Civic Life
and
Associate Professor
Civil and Environmental
Engineering

Contact:
chris.swan@tufts.edu

June 15, 2016
Dolphin Politics in Shark Bay

Richard Connor (UMASS-Dartmouth & Michael Kruetzen (Univ. Zurich))

Dolphin Alliance Project

Evening talk at UMass Dartmouth 2016
Dolphin Politics in Shark Bay
Nursing at UMass Dartmouth 2016
Guy Blaylock on Physics - Umass Dartmouth 2016
BIOLOGY

TO A PHYSICIST
Liz Winiarz introducing Gaurav Khanna from Physics - UMass Dartmouth 2016
DEVELOPING A SET OF SCIENCE LITERACY MODULES
(FOR BIOLOGY MAJORS)

Marja Bakermans and Rebecca Ziino

WPI

Capstone session on Science Literacy at Umass Dartmouth - 2016
UMass Dartmouth 2016 - waterfront dinner and Whaling Museum trip
Thea and Ellen, our wonderful hosts!
“Week in the Life of Scholarly Communication” capstone panel
Trip to Beneski Museum of Natural History at Amherst College

UMass Amherst 2017
Brandeis 2018!
What is **Ecology**?

- The study of the distribution and abundance of organisms and the interactions of organisms with their biotic and abiotic environments.
- Interdisciplinary

**Ticks!!!**

**Lyme Disease**

A zoonose with a complex ecology.
So, what *is* the answer to tick control?
While many woodland creatures harbor ticks and spread Lyme disease, opossums kill 96.5% of ticks that land on them and a single opossum may be “hooovering up and killing” 4,000 ticks every week and thereby protecting us from Lyme disease.
he protec but he also attac
Lauren Lichten, Brandeis University
Gayun Chan-Smutko, Brandeis University
Lacey Smith, Boston Children's Hospital
talked to us about genetic counseling this morning
DO YOU WANT GENETIC MUTATION?

BECAUSE THAT'S HOW YOU GET GENETIC MUTATION.
HOW DO YOU ORGANIZE A SPACE PARTY?

YOU PLANET
2018 Boot camp planning members

Thea Atwood
Jennifer Chaput
Karen Coghlan
Barbara Merolli
Carolyn Mills
Eugenia Liu
Ellen Lutz

Martha Meacham
Sarah Oelker
Jess O'Toole
Melanie Radik
Helena Warburg
Elizabeth M. Winiarz
More thanks and credits

For providing photos: Jennifer Chaput, Naka Ishii, Ellen Lutz, Liz Winiarz, Marion Muskiewicz

For providing slides and stats: Julie Goldman

For 10th Anniversary dinner planning: Jennifer Chaput, Eugenia Liu, Ellen Lutz, Melanie Radik, and the entire SBC committee for crafting help!
The BIGGEST of thanks to Melanie Radik, Brandeis Library and Technology Services, and Brandeis University for hosting us!!!
7 years
boot multi-tool
8 years
boot vase
9 years
3D boot desktop planter
And for everyone here tonight at the 10th New England Science Boot Camp For Librarians…
You get a duck!