**Program at a Glance**

Since 2005....

- Stanford has sponsored 211 Summer Fellowships involving 133 individual science teachers.
- Stanford has hosted teachers from 111 schools (92 public, 19 charter or private) in 44 districts in the Bay Area.
- One-third of these Fellows teach in high-needs schools with a large proportion of educationally disadvantaged students historically underrepresented in STEM.
- Stanford Summer Fellowships have reached almost 100,000 students.
- Teacher retention is quite high. As of October 2012, 90% of program alumni were still classroom teachers, representing an average annual attrition rate from teaching of 2.5%. (See page 2)

**Where Teachers Teach**

<table>
<thead>
<tr>
<th></th>
<th>2005-2014</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alameda</td>
<td>27</td>
<td>20%</td>
</tr>
<tr>
<td>Contra Costa</td>
<td>7</td>
<td>5%</td>
</tr>
<tr>
<td>Marin</td>
<td>1</td>
<td>1%</td>
</tr>
<tr>
<td>San Francisco</td>
<td>15</td>
<td>11%</td>
</tr>
<tr>
<td>San Mateo</td>
<td>21</td>
<td>16%</td>
</tr>
<tr>
<td>Santa Clara</td>
<td>55</td>
<td>41%</td>
</tr>
<tr>
<td>Santa Cruz</td>
<td>2</td>
<td>2%</td>
</tr>
<tr>
<td>Out of Area</td>
<td>5</td>
<td>4%</td>
</tr>
</tbody>
</table>

**Teacher Gender**

<table>
<thead>
<tr>
<th></th>
<th>2005-2014</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>75</td>
<td>56%</td>
</tr>
<tr>
<td>Male</td>
<td>58</td>
<td>44%</td>
</tr>
</tbody>
</table>

**Number of Years in Program**

<table>
<thead>
<tr>
<th></th>
<th>2005-2014</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Year Only</td>
<td>96</td>
<td>72%</td>
</tr>
<tr>
<td>2-3 Years</td>
<td>37</td>
<td>28%</td>
</tr>
</tbody>
</table>
### Teacher Ethnicity

<table>
<thead>
<tr>
<th></th>
<th>2005-2014</th>
<th>2014</th>
<th>Compared to All Calif. Teachers 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>African American</td>
<td>5</td>
<td>4%</td>
<td>4%</td>
</tr>
<tr>
<td>Asian/Pacific Islander/Filipino</td>
<td>31</td>
<td>23%</td>
<td>7%</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>13</td>
<td>10%</td>
<td>18%</td>
</tr>
<tr>
<td>Unknown or Other</td>
<td>1</td>
<td>&lt;1%</td>
<td>4%</td>
</tr>
<tr>
<td>White</td>
<td>83</td>
<td>62%</td>
<td>67%</td>
</tr>
</tbody>
</table>

### 2014 Program

Eighteen science teachers from Bay Area schools participated in the 2014 SRPT. Of those, 10 were first-time participants and 8 were returning. The large majority taught biology, chemistry, life science or physics but a few also taught math, general science and environmental science. Nine teachers were part of CERTS, funded by Stanford’s NSF RET Site Award. One additional teacher served as Peer Coach for the group.

Each Monday the teachers met as a group for lectures by distinguished Stanford faculty, lab tours, and workshops on teaching. The participating teachers received stipends and grants totaling $8,200 for fulfilling all of the program requirements, and were eligible for five units of Continuing Studies credit from Stanford University.

### Program Participants

- **Ann Akey**, Woodside HS
- **Scott Chan**, Carlmont HS
- **Curtis Chinn**, Galileo HS
- **Edwin Contreras**, Hillsdale HS
- **Susan Cooper**, Hayward HS
- **William Cruz**, Los Medanos College
- **Monique De Brito Guedes**, Berkeley HS
- **Christine Erskine**, Scotts Valley MS
- **Meghan Faerber**, Monte Vista HS
- **Agnes Kaiser**, Crittenden MS
- **Michele Leibundgut**, Prospect HS
- **Lope Macasaet**, Piedmont Hills HS
- **I-Heng McComb**, Fremont HS
- **Val Monticue**, Pinewood School
- **Alexander Moos**, Leadership Public HS, San Jose
- **Amber Paull**, John F. Kennedy MS
- **Julia Roberts**, Cupertino HS
Larry Taylor, Arapaho Community College

Stanford Hosts and Mentors

- Stacey Bent & Fatemeh Hashemi, Chemical Engineering
- Bruce Clemens & Chia-Jung Chung, Materials Science & Engineering
- Alex Dunn & Steven Tan, Chemical Engineering
- Giorgio Gratta & Alexis Schubert, Physics
- Tom Jaramillo, Jeremy Feaster & Owen Leanna, Chemical Engineering
- Mykel Kochenderfer, Aeronautics and Astronautics
- Chao-Lin Kuo & Keith Thompson, Physics
- David Lentink & Eric Gutierrez, Mechanical Engineering
- Richard Luthy & Niveen Ismail, Civil & Environmental Engineering
- Richard Luthy & Pam McLeod, Civil & Environmental Engineering
- Bill Mitch & Kimberly Parker, Civil & Environmental Engineering
- Allison Okamura & Melisa Orta, Mechanical Engineering
- Jonathan Payne & Matt Knope, Geological & Environmental Sciences
- Jonathan Payne, Matt Knope & Tran Cawa, Geological & Environmental Sciences
- Ada Poon & John Ho, Electrical Engineering
- John Pringle & Cory Krediet, Genetics
- Juan Santiago & James Palko, Mechanical Engineering
- Edward Solomon & Jake Ginsbach, Chemistry & Photon Science

Program Sponsors

The 2014 Summer Research Program for Teachers at Stanford was made possible by grants and contributions from the following:

- County of San Mateo
- Gordon and Betty Moore Foundation
- National Science Foundation
- Stanford University
- U.S. Department of Energy
2013 Program
Twenty-five science teachers from Bay Area schools participated in the 2013 SRPT. Of those, 14 were first-time participants and 11 were returning. The large majority taught biology, chemistry, environmental science or physics but a few also taught math, general science and computer science. Ten teachers were part of CERTS, funded by Stanford’s NSF RET Site Award.

Each Monday the teachers met as a group for lectures by distinguished Stanford faculty, lab tours, and workshops on teaching. The participating teachers received stipends and grants from totaling $8,200 for fulfilling all of the program requirements, and were eligible for five units of Continuing Studies credit from Stanford University.

Program Participants

- Ann Akey, Woodside HS
- Lisa Bolton-Cardellini, Los Altos HS
- Scott Chan, Serra HS
- Curtis Chinn, Galileo HS
- Susan Cooper, Hayward HS
- Maria Cunniffe, Las Lomas HS
- Richard Delwiche, Claire Lilienthal
- Christine Erskine, Scotts Valley MS
- Meghan, Faerber, Monte Vista HS
- Jennifer Fernandes, Silver Creek HS
- Daniel Hahn, Gunn HS
- Jeffrey Herbst, Jefferson HS
- Catherine Lemmi, Sequoia HS
- Doug Miller, Evergreen Valley HS
- Alexander Moos, Leadership Public HS
- Katherine Moser, Palo Alto HS
- Khanh Nguyen, Fremont HS
- Michael Patterson, Serra HS
- Marianne Perhach, American HS
- Corina Rahmig, Presentation HS
- Jacob Sandoval, Silver Creek HS
- David Topham, Ohlone College
- Nicole Trapasso, Branham HS
- Peng Yav, Sobrato HS
- Christine Yow, San Leandro HS

Stanford Hosts and Mentors

- Stacey Bent & Katie Roelofs, Chemical Engineering
- Devaki Bhaya & Michelle Davison, Carnegie Institution for Science
- Sarah Billington, Civil & Environmental Engineering
• Jo Boaler, Education
• Christopher Chidsey, Chemistry
• Jennifer Dionne & Michael Wisser, Materials Science & Engineering
• Rob Dunbar & Neil Tangri, Earth Sciences
• Alex Dunn & Jack Chai, Chemical Engineering
• Chris Field & Mike Mastrandrea, Environmental Earth System Science
• Giorgio Gratta & Alexis Schubert, Physics
• Stuart Kim, Developmental Biology
• David Lentink & Ashley Fletcher, Mechanical Engineering
• David Lewis & Stephen Chmura, Pediatric Immunology
• Richard Luthy & Jerome Kemper, Civil and Environmental Engineering
• Chao-Lin Kuo & Keith Thompson, Physics
• Tom Markland & William Pfalzgraff, Chemistry
• Allison Okamura and Paulo Blikstein & Tania Morimoto, Mechanical Engineering
• Vijay Pande & Mark Piercy, Chemistry
• Jonathan Payne & Matt Knope, Geological & Environmental Sciences
• John Pringle & Cory Krediet and Cawa Tran, Genetics
• Edward Solomon & David Heppner, Chemistry
• Lawrence Steinman & Peggy Ho, Neurology, School of Medicine
• Leif Thomas, Environmental Earth System Science

**Program Sponsors**

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