<table>
<thead>
<tr>
<th>Coursework</th>
<th>REQUIRED</th>
<th>ELECTIVES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Biology</td>
<td>choose one; 4 credits each</td>
<td>- Please work with your research mentor on selecting elective courses from the Harvard University Catalog and Cross Registration (<a href="https://coursecatalog.harvard.edu">https://coursecatalog.harvard.edu</a>)</td>
</tr>
<tr>
<td></td>
<td>- Craniofacial Developmental Genetics (OB611)</td>
<td>- Please consider taking nanocourses and attending seminars and lectures that complement your research interests.</td>
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<tr>
<td></td>
<td>- Mineralized Tissue Biology and Diseases (OB614)</td>
<td></td>
</tr>
<tr>
<td>Introduction to Research</td>
<td>4 credits</td>
<td>- Please work with your research mentor on selecting elective courses from the Harvard University Catalog and Cross Registration (<a href="https://coursecatalog.harvard.edu">https://coursecatalog.harvard.edu</a>)</td>
</tr>
<tr>
<td></td>
<td>- Introduction to Research (IDP602)</td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>choose one; 4 credits each</td>
<td>- Please consider taking nanocourses and attending seminars and lectures that complement your research interests.</td>
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<tr>
<td></td>
<td>- Biochemical and Genetic Analysis of Eukaryotic Gene (BCMP335)</td>
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<tr>
<td></td>
<td>- Biological Macromolecules: Structure, Function and Pathways (BCMP201)</td>
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</tr>
<tr>
<td>Genetics</td>
<td>choose one; 4 credits each</td>
<td>- Please consider taking nanocourses and attending seminars and lectures that complement your research interests.</td>
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<tr>
<td></td>
<td>- Cellular Metabolism and Human Disease (BCMP234)</td>
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<tr>
<td></td>
<td>- Molecular Medicine (BCMP218)</td>
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<tr>
<td></td>
<td>- Molecular Biology of the Cell (1044)</td>
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<tr>
<td>Biostatistics</td>
<td>choose one; 4 credits each</td>
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</tr>
<tr>
<td></td>
<td>- Basics Statistical Inference (BIO222-01)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Introduction to Statistical Methods (BIO201.01)</td>
<td></td>
</tr>
</tbody>
</table>

**Website Information**

**HSDM**
- [http://www.hsmd.harvard.edu](http://www.hsmd.harvard.edu)

**FORSYTH**
- [http://www.forsyth.org](http://www.forsyth.org)

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Harvard School of Dental Medicine and The Forsyth Institute are pleased to announce a joint Research Academy which will offer an unparalleled three-year (minimum) structured Doctor of Medical Sciences (DMSc-only) research-intensive degree in oral biology.

Under the mentorship of world-renowned scientists, participants will undertake an intensive research training experience in laboratories at the Harvard School of Dental Medicine (HSDM) or Forsyth. The goal of the program is to train academic researchers in oral and craniofacial biology and skeletogenesis in the best possible scientific environment, and thus provide superior research leadership to institutions and countries around the globe.

The Program will include required coursework, laboratory rotations, a qualifying examination, thesis proposal, and will culminate in a rigorous DMSc dissertation. Coursework will include a core of HSDM courses including research methods, biochemistry, biostatistics, genetics, cell and molecular biology, and seminar presentations. In addition each student will take elective courses in disciplines relevant to the student's research theme. The tuition-based program is offered to candidates who hold a MD, DMD or equivalent degree and have taken the GRE, and obtained a TOEFL score of at least 95.
Timeline

**YEAR 1**

- **July 2016 – September 2016**
  Orientation and Lab Rotations
- **September 2016 – June 2017**
  Required Coursework (24 credits)
- **April 2017**
  Attend Student Research Day
- **May 2017**
  Identify Oral Qualifying Examination Committee
- **June 2017**
  Oral Qualifying Examination

**YEAR 2**

- **September 2017**
  Identify Thesis Advisory Committee/obtain approval by Oversight Committee
- **December 2017**
  Approval of Thesis Proposal by Thesis Advisory Committee
- **April 2018**
  Attend Student Research Day
- **April/May 2018**
  Convene Thesis Advisory Committee (check in every 4 months thereafter)

**YEAR 3**

- **January 2019**
  Identify Thesis Defense Committee/obtain approval by Oversight Committee
- **February 2019**
  Deadline for submission of abstract for Thesis Defense
- **March 2019**
  Deadline for submission of abstract for HSDM Student Research Day
- **April 2019**
  Thesis Defense Deadline
- **April 2019**
  Present a poster at Student Research Day
- **May 2019**
  Final Thesis Submission Deadline

* if graduating in 3 years

Application

http://www.adea.org/passapp

Application Deadline  Start Date

**DECEMBER 15  2015**  **JULY 1  2016**

Mentors

A detailed listing of available mentors at HSDM and Forsyth is available. Please email Dawn_DeCosta@hsdm.harvard.edu, or visit our websites for further information.

Oversight Committee

Giuseppe Intini, DDS, PhD  **(Program Director)**
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