

## 1. WELCOME

Thank you for your interest in the Master BioBuilding Program @MIT. We are hoping to recruit a handful of teachers from last summer's BioBuilding workshop to gain the skills and develop the teaching materials to then teach workshops of their own.

Your answers to the following questions will help us organize the program, balancing the strengths and needs of all participants, as well as their interests and school settings. We appreciate your honest responses to the questions on this application. Your responses will not be shared without your permission.

## 2. BioGraphical Information

**\*1. Name**

**\*2. Name and address of school where you teach**

**\*3. Preferred email address during school year:**

**\*4. Preferred email address during the summer (write "same" if school year address is best):**

**\*5. How long have you been teaching?**

**\*6. What subjects did you teach in the 2011-2012 academic year?**

**\*7. How many students did you teach in the 2011-2012 academic year?**

**8. Which of the BioBuilder activities did you or will you carry out in the 2011-2012 academic year? (check all that apply)**

- Eau that Smell
- iTune Device
- Picture This
- What a Colorful World
- BioEthics Assignment
- BioDesign Assignment

**9. Did you run an iGEM team in the 2011-2012 academic year?**

- yes
- no

### 3. Teaching needs

**\*1. Please indicate how important the following materials are for you to feel prepared to lecture in a BioBuilder workshop on your own.**

	do not anticipate teaching this	will possibly teach this but no additional materials needed	helpful for teaching	essential for teaching	N/A
Power point slide decks about engineering concepts (abstraction, standardization...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power point slide decks about the laboratory content (Eau that Smell, iTunes...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power point slide decks about biodesign (examples described at system, device, parts, DNA level)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power point slide decks about bioethics (biosafety, biosecurity...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Power point slide decks about current topics in synthetic biology (synthetic cell, recoding the genome...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10 minute video lectures to introduce particular topics (measurement, chassis...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**\*2. Please indicate how important the following materials are for you to feel prepared to conduct the BioBuilder labs in a workshop on your own.**

	do not anticipate teaching this	will possibly teach this but no additional materials needed	helpful for teaching	essential for teaching	N/A
day-by-day prep notes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
videos for preparing lab materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
recommended places to buy reagents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
sample data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**\*3. How much would you value some direct guidance and instruction on running a high school iGEM team?**

- do not plan to run a team or teach about it
- will run a team and teach about it, but don't need any additional teaching materials
- helpful but not essential
- essential

Other (please specify)

## 4. Thank you!

We'll be in touch with plans for the summer workshop. Have a great spring term.

The BioBuilding Team