# Translational Fellows Program Essentials

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Translational Fellows Program (TFP) is a competitive, 2-part, program for MIT postdoctoral associates that provides the opportunity for professional development and commercialization of a technology that originated in MIT research. The program provides professional development, mentoring resources and integrated conflict-of-interest (COI) management. The TFP empowers Postdocs to lead commercialization planning efforts, facilitating the launch of a commercial venture. Part 1, Essentials, is a 2-month short program providing introduction to the research-derived innovation process. It is a group learning experience based on the NSF I-Corps curriculum. Essentials is open to all Postdocs via self-nomination. Learn more at http://www.rle.mit.edu/translational .

## TFP Application

Please have a discussion with your PI/advisor regarding including this program in your MIT postdoctoral training program. The program is relevant to research problem selection and career development.

### Personal Information

| | |
|---|---|
| First Name | c |
| Last Name | c |
| MIT ID | 1234567 |
| MIT Email | me@mit.edu |
| Preferred Email | me@mit.edu |
| Phone Number | 1234567890 |
| MIT Affiliation | Postdoc |

### MIT Department

| | |
|---|---|
| MIT Department/Program/Lab | c |
| PI/Advisor Name | c |

### Tell us about you.

Your plans for the future and what motivates your involvement in entrepreneurship and

the TFP program.

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## What do you do?

Please provide a succinct 1-sentence description of what you plan to do. Example: Something like, “we are working on a wearable device that anticipates migraine headaches in women allowing treatments to be administered effectively”. Example: Something like “we are working on a class of adhesives that will fundamentally change electronic manufacturing”.

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## What is the problem?

In a few sentences, please describe what problem you are solving. Example:  Migraine headaches respond best to treatment that is applied just before the onset. Once a headache has developed actions and medication effectivity drops by 70%. Very few people can detect migraine onset. Example:  The highly specific formulation of adhesives has become so specialized and expensive that they are being overlooked for many cost and time saving applications.

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## Who has it?

In one or two sentences, describe who has this problem. Example: Migraines range from mild to debilitating and present overwhelmingly in women, ages 20 to 55. Migraine ranks in the top 20 of the world's most disabling medical illnesses. Every 10 seconds, someone in the United States goes to the emergency room with a headache or migraine. Example: Designers who choose traditional fasteners that add significant cost and manufacturing time to all electronic packaging.

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## How will you solve the problem?

In a few sentences and in completely NON-TECHNICAL terms, please describe how you expect to solve it. Example: We have identified several physical indicators for migraine onset including, gamma waves, blood pressure and GnRH neurons. We believe that a small wearable device attached behind the ear will provide notification that a migraine will occur within the next 4 hours. Example: We have a single step adhesive that cures at room temperature and can be made conductive, if desired, with simple application of ultraviolet light. It can be applied in a standard manufacturing environment.

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## How will you make money?

In a few sentences, describe who will use it, who will pay you and how you envision selling to them. Example: We expect to create a wearable device that will provide warning to the wearer of imminent migraine onset. We can sell the device and/or license the design. Example: We will sell the adhesive and application tools directly to manufacturers. We will create a joint development agreement with CAD tool companies such as MathWorks and Solidworks.

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## What is the secret sauce?

In a few sentences, describe what is special about your solution and product. Example: The ability to correlate and then predict migraines using gamma waves and GnRH neurons. This is based on research MIT. Example: A novel combination of polymeric and crystalline structures that are solidified at room temperature. This is based on research developed at MIT.

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## Is there IP?

In a few sentences describe the IP status and why you think you will have access to use it or why you expect you can get a license for it.

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## How much more research/development is needed to provide your solution?

In a few sentences comment on the effort and resources needed to achieve a proof-of-concept, prototype or first article.

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## The following two questions are only used for reporting purposes and will not affect your application. They are both optional.

## Gender

Other: Other

## Race/Ethnicity

Other: Other