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Preview of Award 1545814 - Annual Project Report

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Cover

Federal Agency and Organization Element to Which Report is Submitted:	4900
Federal Grant or Other Identifying Number Assigned by Agency:	1545814
Project Title:	I-Corps: AutoEEG-enhancing productivity by autoscanning EEG signals
PD/PI Name:	Iyad Obeid, Principal Investigator Joseph Picone, Co-Principal Investigator
Recipient Organization:	Temple University
Project/Grant Period:	07/15/2015 - 08/31/2016
Reporting Period:	07/15/2015 - 06/30/2016
Submitting Official (if other than PD\PI):	Iyad Obeid Principal Investigator
Submission Date:	05/04/2016
Signature of Submitting Official (signature shall be submitted in accordance with agency specific instructions)	Iyad Obeid

Accomplishments

* What are the major goals of the project?

The goals of the project were two-fold. The first goal was to train PI Obeid and Entrepreneurial Lead Meysam Golmohammadi in the "Lean Startup" methodology. This methodology has been redesigned specifically for the benefit of academic laboratories attempting to spin off commercializable technology. The second goal was specifically to develop a business case for the Team's "AutoEEG" technology, which uses machine learning to create a physician support tool for reading and scanning long term electroencephalograms.

*** What was accomplished under these goals (you must provide information for at least one of the 4 categories below)?**

Major Activities:

The Team (PI Obeid, Entrepreneurial Lead Golmohammadi, and Mentor Lou Boucelli) travelled to two NSF-ICorps workshops (in Chicago, IL) and attended weekly online training sessions. The Team made over 100 contacts in industry and government, and developed a more accurate assessment of the potential value of our company.

Specific Objectives:

Significant Results:

Key outcomes or

Other achievements:

*** What opportunities for training and professional development has the project provided?**

This program supported the Team members to be trained in the Lean Startup methodology. As stated earlier, the training consisted of two 2-day workshops as well as seven weekly online sessions. The curriculum was completely new to two of our three Team members (Obeid and Golmohammadi) and so there was a great overall effect from the training and professional development aspect of this support.

*** How have the results been disseminated to communities of interest?**

Nothing to report.

*** What do you plan to do during the next reporting period to accomplish the goals?**

Nothing to report.

Products

Books

Book Chapters

Inventions

Journals or Juried Conference Papers

Licenses

Other Conference Presentations / Papers

Other Products

Company.

We have founded "Biosignal Analytics, LLC" to commercialize our technology.

Other Publications

Patents

Technologies or Techniques

Thesis/Dissertations

Websites

Participants/Organizations

What individuals have worked on the project?

Name	Most Senior Project Role	Nearest Person Month Worked
Obeid, Iyad	PD/PI	1
Picone, Joseph	Co PD/PI	0
Golmohammadi, Meysam	Graduate Student (research assistant)	1
Bucelli, Louis	Consultant	1

Full details of individuals who have worked on the project:

Iyad Obeid

Email: iobeid@temple.edu

Most Senior Project Role: PD/PI

Nearest Person Month Worked: 1

Contribution to the Project: PI - attended all training and workshop sessions, participated in customer discovery.

Funding Support: internal / Temple University

International Collaboration: No

International Travel: No

Joseph Picone

Email: joseph.picone@gmail.com

Most Senior Project Role: Co PD/PI

Nearest Person Month Worked: 0

Contribution to the Project: Dr. Picone helped prepare the initial proposal and served as an advisor during the customer discovery activities.

Funding Support: internal / Temple

International Collaboration: No

International Travel: No

Meysam Golmohammadi

Email: tuf76412@temple.edu

Most Senior Project Role: Graduate Student (research assistant)

Nearest Person Month Worked: 1

Contribution to the Project: Entrepreneurial Lead - involved in all aspects of customer discovery, business plan development, minimal viable product and value proposition development. Attended all trainings and workshop.

Funding Support: NSF-ICorps Award 1545814

International Collaboration: No

International Travel: No

Louis Bucelli**Email:** lou@bucelli.com**Most Senior Project Role:** Consultant**Nearest Person Month Worked:** 1**Contribution to the Project:** Business mentor - attended all trainings and workshops and advised the team in creating value propositions and defining a minimum viable product. Actively involved in customer discovery.**Funding Support:** Temple University**International Collaboration:** No**International Travel:** No**What other organizations have been involved as partners?**

Nothing to report.

What other collaborators or contacts have been involved?

Nothing to report

Impacts

What is the impact on the development of the principal discipline(s) of the project?

The Team was able to better define the value proposition of their AutoEEG product and to determine which segments of the market to approach and how to cost the end-product. Using knowledge and experience gained during I-Corps, the team as incorporated as an LLC, moved to protect Intellectual Property, and has written two SBIR/STTR proposals (to NSF and NIH), at least one of which appears likely to fund.

What is the impact on other disciplines?

Nothing to report.

What is the impact on the development of human resources?

Nothing to report.

What is the impact on physical resources that form infrastructure?

Nothing to report.

What is the impact on institutional resources that form infrastructure?

Nothing to report.

What is the impact on information resources that form infrastructure?

Nothing to report.

What is the impact on technology transfer?

We are working with the Temple University Technology Transfer office to patent our technology and license it back out to our LLC.

What is the impact on society beyond science and technology?

If successful, our commercial product will make it easier (and potentially more accurate) for neurologists to scan brain signals.

Changes/Problems

Changes in approach and reason for change

Nothing to report.

Actual or Anticipated problems or delays and actions or plans to resolve them

Nothing to report.

Changes that have a significant impact on expenditures

Nothing to report.

Significant changes in use or care of human subjects

Nothing to report.

Significant changes in use or care of vertebrate animals

Nothing to report.

Significant changes in use or care of biohazards

Nothing to report.

Special Requirements

Responses to any special reporting requirements specified in the award terms and conditions, as well as any award specific reporting requirements.

Nothing to report.