Innovations in Musculoskeletal Pain Administration, Analytics, and Care Training (IMPA²CT)

Call for Applicants for Fellowship period August 1, 2019 to July 31, 2021

Program Director: Anthony Lisi, DC
Program Core Faculty: Cynthia Brandt, MD, MPH, Todd Kawecki, DC, Lori Bastian, MD, MPH, Kelsey Corcoran, DC

Purpose
The IMPA²CT fellowship provides advanced training in healthcare policy, administration and informatics related to the management of musculoskeletal pain disorders. The program aims to attract individuals of exceptional management potential and develop them into leaders in the analysis and administration of healthcare system programs related to musculoskeletal pain disorders with a focus on innovative nonpharmacological approaches. The goal of the fellowship is to prepare graduates for future careers in healthcare policy and/or administration.

Program Overview
The fellowship is a partnership between the Yale Center for Medical Informatics and the VA Connecticut Healthcare System. It is a full-time program of 2 years duration. Much of the fellow’s initial efforts will be devoted to electronic health records, clinical decision support, databases and data analysis, and quality and safety. Experiential learning will be combined with didactic classes and conferences. The second year focuses on advanced learning and project leadership. The Program Director will work with each fellow to create an Individual Development Plan to guide training activities and allow for continuous development anchored to the program’s mission, goals, objectives, and needs, as well as the fellow’s career goals. The fellow will attend the American Medical Informatics Association annual meeting and other relevant conferences.

Program Components:
- **Policy and Informatics Activities**
  - Fellows work with the Program Director and Core Faculty in support of healthcare policy development and administration activities at VA Connecticut, VA National Office of Rehabilitation and Prosthetic Services, and Yale Center for Medical Informatics.

- **Didactic Education**
  - The goal of our didactic teaching is to provide a broad overview of the field and to allow the ability for the student to supplement this overview with more focused coursework and training on specific areas of interest.
Depending on their academic background, fellows are expected to participate (as auditors) in at least one of the three core courses required from the Computational biology and Bioinformatics doctoral program: CBB 740: Clinical and Translational Informatics, CBB 750: Core Topics in Biomedical Informatics and Data Science, CBB 752: Bioinformatics: Practical Application of Simulation and Data Mining.

- Fellows may also enroll as auditors in other courses, tailored to fellow’s background and interests.

- **Research**
  - Each fellow works on one or more independent research projects under faculty supervision. This involves learning how to conceptualize a project, carrying out the project, writing the project up in a form appropriate for publication, and presenting the work internally in our group and externally at national conferences.
  - Fellows attend courses and seminars on research methods and project management.

- **Clinical Activities**
  - Fellows with clinical training and credentials may spend up to 15% of their time in clinical activities. This arrangement helps fellows maintain their clinical skills and provides important context for pertinent clinical informatics projects.

**Fellowship Eligibility and Qualifications**

- Applicants must have a DC degree. Applicants must be US citizens or permanent residents.
- Applications from women and minorities are encouraged.
- Highly developed verbal and written communication skills with proven ability to communicate effectively with a wide range of constituencies.
- Self-directed with the ability to take initiative and anticipate actions needed.
- Excellent interpersonal skills with the ability to work well under pressure, manage multiple tasks and meet demanding deadlines.
- Superior attention to detail and a high degree of organizational and planning skills.
- Ability to travel approximately 2 weeks per year.

Additionally, applicants should have strong qualifications in one or both of the following areas:

**Healthcare Administration**

_The ideal candidate will be interested in future data-driven administrative positions in organizations such as VA, CMS, and/or private healthcare systems. The strongest applicants will possess most or all of the following:_

**Education**

- Academic degree and/or other training in computer science, information systems, math, engineering, or related fields; or in management, healthcare administration, or related fields.

**Experience**

- Programming experience (particularly SQL, SAS, and/or Python) medical informatics experience and/or statistical analysis experience.
- Prior clinical, administrative, and/or research experience in an integrated healthcare system or hospital.
Skills
- Demonstrated ability to lead, communicate, and work effectively with multidisciplinary teams on projects with deliverable-driven timelines
- Strong analytical skills

Health Policy
The ideal candidate will be interested in future data-driven positions in healthcare policy, such as Federal or State legislative staff. The strongest applicants will possess most or all of the following:

Education
- Academic degree and/or other training in political science, economics, law, management, public policy, or related fields

Experience
- Experience as a legislative aide, assistant, caseworker, campaign worker and/or intern
- Prior clinical, administrative, and/or research experience in an integrated healthcare system or hospital
- Introductory-level experience in programming, medical informatics and/or statistical analysis

Skills
- Demonstrated ability to lead, communicate, and work effectively with multidisciplinary teams on projects with deliverable-driven timelines
- Strong analytical skills

Location
The fellow’s time will be split between the Yale Center for Medical Informatics, 300 George Street, New Haven, CT 06511, and the VA Connecticut Healthcare System, 950 Campbell Avenue, West Haven, CT 06516.

Compensation
The annual stipend is consistent with NIH postdoctoral rates and ranges from $50,004 to $61,308 based on experience. Postdoctoral appointees are eligible for benefits through Yale University.

To Apply
The application deadline for the training period August 1, 2019 to July 31, 2021 is February 28, 2019
Applicants must submit the following:
- Curriculum Vitae
- Cover letter describing your future goals in Healthcare Administration or Health Policy
- Two letters of recommendation, at least one of which must be from an individual who is or was a direct supervisor of the applicant

Send questions and/or application materials to Anthony.lisi@yale.edu

Support
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