



## 2024 Election for Board Director

### Candidate: Yves Lussier

#### **Professional Title & Affiliation**

Chair, University of Utah Department of Biomedical Informatics

#### **Personal Statement / Short Biography**

As a leader in the fields of translational bioinformatics and of AI-augmented precision medicine, I have launched successful companies and international conferences, authored more than 200 publications, and delivered more than 100 invited presentations in precision medicine, systems medicine, and translational bioinformatics, including 28 opening keynotes at international conferences. I have been awarded \$200M in grants as principal, core leader, or co-investigator, and mentored or co-mentored over 100 graduates, postgraduate fellows, and junior faculty members. My honors include three IBM Faculty Awards, inducted Fellow of the American College of Medical Informatics (ACMI), 1st recipient of the Columbia University Faculty Mentoring Award, Ambassador for Health Sciences at the University of Sherbrooke (Canada), and 16 outstanding publication awards from the American Medical Informatics Association (AMIA), the International Society for Computational Biology (ISCB), and the Translational Bioinformatics Conference (TBC). In 2016, I was invited among ten USA academic leaders by the White House for its Precision Medicine Summit.

#### **Please describe your leadership skills and experience, inside and outside of AMIA**

I co-founded and chaired the AMIA Summit on Translational Bioinformatics (now called AMIA Summit), I have served as a reviewer to the Fall conference and the summit for over two decades, I have co-chaired the AMIA 2021 Fall conference.

- 1) I co-founded Purkinje.com Electronic record company that pioneered pen-computing EHRs in medicine.
- 2) I co-founded with Dr. Mandelson (then MD Anderson cancer center President) the first conference and society in precision oncology (WIN Consortium), in which I serve as Chair of the External Advisory Board. This remains the largest conference in precision oncology.
- 3) I co-founded the Journal of Personalized Medicine (Impact Factor 3.5), in which I serve as Editor in Chief of the section for personalized mechanisms
- 4) I serve on the Senior Editorial Board of the Annals of Family Medicine Journal (Impact Factor 7.5)
- 5) I previously served on the editorial board of JBI
- 6) I contributed to creating and funding the first CDW at the U of Chicago, the U of Illinois, and the U of Arizona

7) I chair the Dept of Biomedical Informatics of the University of Utah that required substantial faculty hiring and hired 15 faculty members in the last 2 years focusing in digital health and AI in medicine. 50% of which are women.

8) I co-chaired the AI in Medicine conference 2024

**Please describe your experience and accomplishments in informatics**

I have significantly contributed to advancing the field through committee participation and the organization of key conferences of AMIA. I have played a pivotal role in co-founding and chairing the AMIA Summit on Translational Bioinformatics, a crucial platform for promoting innovation in medical informatics. These activities highlight my dedication to fostering collaboration and development within the informatics community.

I envision growth in AI in Medicine and Robotics, in which I have expertise (I co-chair the AI in Medicine Conference 2024).

**Share any unique skills or perspective you bring to this role**

I am considered a transformative leader and have established BMI units at the University of Chicago, U of Illinois, and U of Arizona. These units have since grown and have been growth opportunities for BMI leaders as I moved to the next challenge. For example, Dr. Justin Starren recently stepped in as leader of the Center I founded at U of Arizona, Another example: I mentored Dr. Andrew Boyd who was recently promoted as tenured professor and he stepped into the role of Vice-Chancellor for Research and Chief Research Informatics Officer at the U of Illinois.

**Please describe your teamwork experience and skills**

I am interested to serve the AMIA community as I bring multiple perspectives and experience as a clinician that has practiced >17 years, as an engineer, as an informatician, as an entrepreneur, as a scientist, as an educator, and as a senior medical system and academic leader and manager.

My leadership style is inclusive and that of a servant leader.

I seek improvements and work through the rigor of empowering staff members and colleagues with clear milestones and resources commensurate with the delegated tasks.

**AMIA Engagement and Participation**

AMIA member – More than 20 years

Conference Co-founder

2008 American Medical Informatics Association (AMIA) Summit on Translational Bioinformatics (Informatics Summit); BMC Med Genomics 2009 (10; #11)

Conference Chair, co-Chair, or Leadership

2009 - Conference Chair and Chair of the Scientific Program Committee; AMIA Summit on Translational Bioinformatics (Now: Informatics Summit) BMC Med Genomics 2009 (10; #11)

2021 - Scientific Program Committee Leadership co-Chair (A. Wilcox Chair), AMIA Fall Symposium, San Diego

Conference Committee Membership and Special Committees Appointments

1991-2003 - PSG-06 Committee of the Computerized Patient Record Work Group of AMIA

1994-2003 - Family Medicine Informatics Committee of AMIA

2003-present - Clinical genomics working group, AMIA

Scientific Program Committee Member (Fall & Summit on Transl. Bioinformatics)

2007, SPC Member, Foundations of Informatics Track, Chicago, Fall Symposium

2010 SPC Member, AMIA Fall Annual Symposium, Wash DC

2010,-11,-12: member of the STB Senior Advisory Committee

2014 Steering Committee Member for AMIAs 2014 Health Policy Invitational: Personalized Medicine: Next Generation Informatics Opportunities and Challenges

2021 SPC Leadership for AMIAs 2021 Fall Symposium, San Diego

**Areas of Expertise**

Bioinformatics; Cancer Research; Clinical Research; Data Analysis; Emergency Medicine; Genomics; Internal Medicine; Knowledge Representation; Medicine; Ontologies; Precision Medicine; Primary Care; Research; Translational Bioinformatics