

**Submittee:** Alan Manning  
**Date Submitted:** 2015-04-14 12:36  
**Title:** Frontiers in Biophysics 2015  
**Event Type:** Conference-Workshop

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**Location:**  
Djavad Mowafaghian Centre for Brain Health, UBC Point Grey Campus

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**Dates:**  
Saturday 14 March 2015

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**Topic:**  
Mathematical biology and biophysics (hereafter referred to as "quantitative biology")

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**Methodology:**  
Talks, keynote talk, and poster session

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**Objectives Achieved:**

1) Provided a venue for networking and discussion within the Pacific Northwest quantitative biology community. We had ~100 people this year from many institutions and departments. In addition to the core community members, we were very happy to see so many new attendees. The informal atmosphere encouraged discussion among all present.

2) Encouraged collaboration across disciplines. This is particularly important for such a diverse field like quantitative biology. In his keynote talk, Dr. Michael Hasselmo highlighted this point by emphasizing that in order to move forward, neuroscience needs more physicists, mathematicians, and computer scientists to address current issues in the field. We hope that the variety of work presented helps junior researchers (from undergraduates to junior professors) realize they can often make powerful contributions outside of their primary area of expertise.

3) Provided a venue for undergraduates, graduates, and postdocs to present their research. The majority of talks and posters presented were by this demographic. They received feedback on their work and presentation through judging by senior researchers, and awards were presented in recognition of excellence. Moreover, this allowed all those presenting to introduce themselves to the larger community.

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**Scientific Highlights:**

Given the short duration of the conference, nothing specific can be mentioned here.

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**Organizers:**

Manning, Alan, Physics and Astronomy, UBC (PhD student) //  
Wiggermann, Vanessa, Physics and Astronomy, UBC (PhD student) //  
Depew, Tom, Physics and Astronomy, UBC (PhD student) //  
Ghanbarian, Shahzad, Physics and Astronomy, UBC (PhD student) //  
Meyers, Sandra, Physics and Astronomy, UBC (PhD student) //  
Chen, Evan, Physics and Astronomy, UBC (PhD student) //  
Goodwin, Katie, Cell and Physiological Sciences, UBC (MSc student) //  
Scurll, Josh, Mathematics, UBC (PhD student) //  
Cardim Falcao, Rebeca, Mathematics, UBC (MSc student) //  
Coombs, Daniel, Mathematics, UBC (professor, faculty adviser) //

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**Speakers:**

Please see attached conference programme.

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**Links:**

Conference website:

<http://fibp.phas.ubc.ca>

Photos from conference:

<https://drive.google.com/folderview?id=0B2HwD1JcJh3AfjRDU2FuaXQ0UEs2b0JsaGUwSnIhN21DajAyeTAtS3lqWm8yWldqQkhsRG8&usp=sharing>

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**Comments / Miscellaneous:**

- 1) The UBC PIMS office set up an account for us through which all our transactions have taken place. //
  - 2) The number of participants is probably 100-105, as there were some who came only for the keynote speaker or later in the day that we did not mark down. //
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**File Uploads:**

Additional Upload 1: [http://www.pims.math.ca/files/final\\_report/FIBP2015\\_final\\_programme\\_0.pdf](http://www.pims.math.ca/files/final_report/FIBP2015_final_programme_0.pdf)

Additional Upload 2: [http://www.pims.math.ca/files/final\\_report/FIBP2015\\_final\\_budget.pdf](http://www.pims.math.ca/files/final_report/FIBP2015_final_budget.pdf)

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