International Drosophila Metabolomics Consortium

Inaugural Meeting
October 12-13th, 2013
University of Alabama
Tuscaloosa, AL USA

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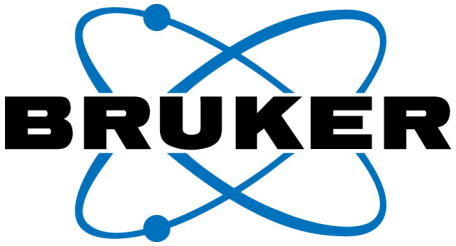

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Our not-exhaustive list of issues that should be discussed:

- establishing common research protocols
    - a common biological standard to include in all of our analyses (e.g. 5 day-old mated male from the sequenced line -6326).
    - a common set of internal and spiked standards to use across platforms when possible
    - common practices for data standardization and analysis, especially when dealing with datasets that contain so much "missing" data
    - discussing the trade-offs of approaches to ensure repeatability verses the lost signal of unstable metabolites with such methods

- establishing common community resources
    - data based of curated fly metabolite profiles (akin to gene reports in Flybase) and raw experimental results (akin to Genbank)
    - a set of guidelines for making metabolomics data public after publication
    - working with Flybase and/or existing metabolomics database efforts to design our database system
    - coordinating with metabolomics researchers in other model systems (e.g. worm, zebrafish, yeast, mice)

- Identifying funding strategies to expand our resources
    - The NIH Common Fund Metabolomics Program has some resources that may be helpful to us
    - We are an inherently international group so resources to facilitate international collaboration would be helpful
- Prepare a white paper for review and endorsement by the fly board

- Ensuring relevance of fly metabolomics research to a biomedical audience
    - developing parallel studies of biofluids in Drosophila (urine, hemolymph etc)
    - using parallel platforms, standards, analysis methods

- Identifying novel non-biomedical directions for fly metabolomics research

	Topic	Presenters	Virtual or Physical Presenter
Saturday			
8:00 - 8:30	**Breakfast**		
8:30 - 8:40	**Introduction**	Thomas Merritt/ Laura Reed	Physical
8:40-10:15	**Current Projects**		
	Embryology	Jason Tennesson	Virtual
	Flymet.org	Julian Dow	Virtual
	Aging	Daniel Promislow	Physical
	Aging 2	Andrei Avanesov/Andrey Parkhitko	Physical
10:15 - 10:30	**Coffee break**		
10:30-11:10	**Current Projects - Continued**		
	Cold Stress	Petr Simek	Virtual
	Cold Stress	Dan Hahn	Virtual
	Technologies		
11:10-12:00	Fly Experience	Dave Watson	Virtual
	High Throughput	Dean Jones	Virtual
12:00 - 1:00pm	**Lunch**	Johnathan McSayles, Non-Linear Dynamics	Physical
1:00-2:20pm	**Common Fund Cores**		
	West coast	Oliver Fiehn	Virtual
	Eastern Region	Susan Sumner	Virtual
	Michigan	Charles Burant	Virtual
2:20 - 2:40pm	**Non-melanogaster Flies**		
		Luciano Matzkin	Physical
2:40 - 3:10pm	**Coffee Break**		
3:10 - 3:30pm	**Establishing a Consortium**		
3:30	Standardization Thoughts	James Cox	Virtual
3:30-5:00pm	**Open Discussion - Domestic Strategy**		
4:00	Technologies	Jeff Patrick - Leco	virtual
5:00 - 6:00	**Dinner**		
6:00-7:30	**Data Analysis and Management**		
	FlyCyc and Pathway Tools	Peter Karp	Virtual
	MetScape	Alla Karnovsky	Virtual
	Analyzer Pro	John Moncur	Physical
7:30 - 8:30	**Open Discussion - Data Management, Integration with Flybase**		

	Topic	Presenters	Virtual or Physical Presenter
Sunday			
8:00 - 8:30	**Breakfast**		
8:30-8:45	**Summary of Day 1**	Laura Reed/Thomas Merritt	Physical
8:45-9:30	**Standardization**		
	Metabolights	Christoph Steinbeck	Virtual
9:30-10:00	**Setting International Priorities**		
	Open Discussion		
10-10:15	**Coffee Break**		
10:15 - 10:30	**Define Cores/ Working Groups**		
10:30 - 11:30	**Breakout Discussion Around Cores/Working Groups**		
11:30-12:00	**Breakout Groups Report Back**		
12:00-12:30	**Box Lunch**		
12:30	**Departure**		

Expected Meeting Participants

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