



Agenda for 2004 Microarray Retreat



**Day 1 – September 27<sup>th</sup>**

|             |   |                          |
|-------------|---|--------------------------|
| 7:00 – 8:30 | Dinner                                    | East or West Dining Room |
| 8:30-11:00  | Welcome Reception – join us as you arrive | East or West Dining Room |

**Day 2 – September 28<sup>th</sup>**

| LOCATION                   | TIME          | TOPIC  | LECTURER/LEADER     |
|----------------------------|---------------|--|---------------------|
| Main Dining Room           | 8:00 – 9:00   | Breakfast  |                     |
| Parlor                     | 9:00 – 9:10   | Administrative items: Welcome                                    | David Allison       |
|                            | 9:10 – 9:40   | Toward sound epistemology  | David Allison       |
|                            | 9:40 – 10:10  | Design of cDNA experiments                                       | Naomi Altman        |
| Parlor<br>Entrance/Landing | 10:10 – 10:25 | Break  |                     |
| Parlor                     | 10:25 – 10:55 | Geography Index  | Kyoungmi Kim        |
|                            | 10:55 – 11:25 | Using deleted residuals in quality control                       | Prashanth Yelisetti |
|                            | 11:25 – 11:55 | DWD normalization of microarray batch and cross platform effects | J Stephen Marron    |
| East or West Dining Room   | 12:00 – 1:30  | Lunch  |                     |
|                            | 1:30 – 6:30   | Free Time  |                     |
| East or West Dining Room   | 6:30 – 8:00   | Dinner   |                     |
| Parlor                     | 8:00 – 8:30   | Adjusting for multiple testing                                   | Mark Carpenter      |
|                            | 8:30 – 9:00   | Distribution models of gene expression data                      | Rudolph Parrish     |
|                            | 9:00 – 9:30   | Tests statistic for microarray data analysis                     | Yang Xie            |

### Day 3 – September 29<sup>th</sup>

| LOCATION                 | TIME          | TOPIC   | LECTURER/LEADER          |
|--------------------------|---------------|---|--------------------------|
| Main Dining Room         | 8:00 – 9:00   | Breakfast   |                          |
| Parlor                   | 9:20 – 9:50   | Cluster Stability – weight functions  | Tapan Mehta              |
|                          | 9:50 - 10:20  | Cluster stability – link function   | Nikhil Garge             |
|                          | 10:00 - 10:30 | Some interesting matrix decompositions  | Bernie Gorman            |
| Parlor Entrance/Landing  | 10:30 – 10:45 | Break   |                          |
| Parlor                   | 10:45 – 11:15 | Finding interesting gene partitions from microarray data  | Brendan Mumey            |
|                          | 11:15 – 11:45 | Image processing  | Grier Page               |
| East or West Dining Room | 12:00 – 1:30  | Lunch   |                          |
|                          | 1:30 – 6:30   | Free Time   |                          |
| East or West Dining Room | 6:30 – 8:00   | Dinner  |                          |
| Parlor                   | 8:00 – 8:30   | Cell wall formation genes   | Stefan Persson           |
|                          | 8:30 – 9:00   | Inferring gene regulatory networks using time series microarray data                                  | Hairong Wei              |
|                          | 9:00 – 9:30   | Analysis of ChIP-chip data and gene expression arrays for the elucidation of transcriptional networks | Françoise Thibaud-Nissen |

**Day 4 – September 30<sup>th</sup>**

| LOCATION                 | TIME          | TOPIC   | LECTURER/LEADER |
|--------------------------|---------------|---|-----------------|
| Main Dining Room         | 8:00 – 9:00   | Breakfast   |                 |
| Parlor                   | 9:00 – 9:30   | Heritability of gene expression levels  | Xiangqin Cui    |
|                          | 9:30 – 10:00  | Mixture models for microarray gene expression                                       | Kim-Anh Do      |
|                          | 10:00 – 10:30 | Does sequence similarity predict expression similarity                              | Kui Zhang       |
| Parlor Entrance/Landing  | 10:30 – 10:45 | Break   |                 |
| Parlor                   | 10:45 – 11:15 | MCMC vs Bootstrap vs Hessian methods to assess precision in the mixomatic estimates | Qinfang Xiang   |
|                          | 11:15 – 11:45 | Interpreting lists of significant genes   | Nigam Shah      |
| East or West Dining Room | 12:00 -1:30   | Lunch   |                 |
|                          | 1:30 – 6:30   | Free Time   |                 |
| East or West Dining Room | 6:30 – 8:00   | Dinner  |                 |
| Parlor                   | 8:00 – 8:30   | HDBStat! / Power Atlas  | Jelai Wang      |
|                          | 8:30 - 9:00   | Use of web services in microarray data analysis                                     | Kei Cheung      |
|                          | 9:45 – 10:15  | GoArray   | Michael Osier   |

**Day 5 – October 1<sup>st</sup>**

| LOCATION                 | TIME          | TOPIC  | LECTURER/LEADER                  |
|--------------------------|---------------|--|----------------------------------|
| Main Dining Room         | 8:00 – 9:00   | Breakfast  |                                  |
| Parlor                   | 9:00 – 9:30   | Applied data analysis  | Stanislav Zakharkin              |
|                          | 9:30 – 10:00  | Applied data   | <i>Michael Showe - tentative</i> |
|                          | 10:00 – 10:30 | Transcript variation: introducing a new layer of complexity in expression analysis | Ann Loraine                      |
| Parlor Entrance/Landing  | 10:30 – 10:45 | Break  |                                  |
| Parlor                   | 10:45- 11:45  | Discussion: meta analysis of microarray data                                       | Lead by Grier Page               |
|                          | 11:45 – 12:00 | Unresolved issues  |                                  |
| East or West Dining Room | 12:00 – 1:30  | Lunch  |                                  |