RNA Bioinformatics Course and symposium
August 10-14

Classes will be held in the "Simularium" Engineering Building 2 Room 180

August 9 Arrival in Santa Cruz

August 10

7:45-8:45	**Breakfast (Dining hall, for those with lodging)**
8:45 – 10:15	**Introduction to RNA Biology and Bioinformatics (Jeppe Vinther)**
10:15-10:30	**Coffee Break**
10:30-12:00	**RNAseq data and mapping (Anders Krogh)**
12:00-1:00	**Lunch**
1:00-2:30	**UCSC Genome browser and database intro (Bob Kuhn)**
2:30-2:45	**Coffee break**
2:45 – 4:15	**UCSC Xena browser and database intro (Mary Goldman with Jing Zhu and Brian Craft)**
5:00	**Dinner**

August 11

7:45-8:45	**Breakfast (Dining hall, for those with lodging)**
8:45 – 10:15	**ncRNA introduction (Paul Gardner)**
10:15-10:30	**Coffee Break**
10:30-12:00	**RNA folding (Jakob Skou Pedersen)**
12:00-1:00	**Lunch**
1:00-2:30	**RNA Structure Homology Searches (Paul Gardner)**
2:30-2:45	**Coffee break**
2:45 – 4:15	**RNA Modifications – intro and mapping methods (Todd Lowe)**

5:00	**Dinner**
August 12	
7:45-8:45	**Breakfast (Dining hall, for those with lodging)**
8:45 – 10:15	**RNA expression profiling and analysis I (Jakob Skou Pedersen)**
10:15-10:30	**Coffee Break**
10:30-12:00	**RNA expression profiling and analysis II (Angela Brooks)**
12:00-1:00	**Lunch**
1:00-4:30	**Sailing Excursion**
5:00	**Dinner**
6:00 – 7:30	**Experimental Structure Probing (Jeppe Vinther)**
7:30 – 7:45	**Break**
7:45 – 9:30	**Integrative Structure prediction (Jakob Skou Pedersen and Jeppe Vinther)**
August 13	
7:45-8:45	**Breakfast (Dining hall, for those with lodging)**
8:45 – 10:15	**tRNAs: Transcription, Structure-based function prediction and new roles for tRNA fragments. (Todd Lowe)**
10:15-10:30	**Coffee Break**
10:30-12:00	**microRNA and RNA motif analysis (Anders Krogh and Jeppe Vinther)**
12:00-1:00	**Lunch**
1:00-2:30	**RNA Binding proteins and CLIP Data (Gene Yeo)**
2:30-2:45	**Coffee break**
2:45 – 4:15	**CLIP Data analysis (Gene Yeo)**
5:00	**Dinner at Olita's Cantina and Grille**

August 14 RNA Symposium at Baskin Auditorium 101

9:00-10:30	**Session 1 - Spliceosome**
10:30-10:50	**Coffee Break**
10:50-12:00	**Session 2 - mRNPs and telomerase**
12:00-1:00	**Lunch**
1:00-2:30	**Session 3 – Ribosomes**
2:30-2:45	**Coffee break**
2:45 – 3:45	**Session 4 - microRNAs**
3:45	**Poster session and ribo-social!**