Sunday, August 14, 2011

14:00 - Check-in at housing facility

14:30 – 16:00 Welcome Refreshments

17:30 – 19:00 Dinner (Café Ventana)

19:00 – 19:05 Welcome Remarks: Dong-Er Zhang

19:05 – 21:15 Session I: Normal and cancer stem cell survival and expansion

Chairs: Stephen Nimer & Ewan Cameron

19:05- 19:25 I-1 **Daniel Tenen** (Cancer Science Institute, NUS & Harvard Medical School)
Runx regulation of long noncoding and extracoding RNAs in hematopoiesis

19:25 – 19:40 I-2 **Joanna Tober** (Nancy A. Speck) **(**University of Pennsylvania)
Defining the transition from Runx1 dependence to independence during hematopoietic cell formation.

19:40 – 19:55 I-3 **Gareth Brady** (Paul Farrell) (Imperial College, UK)
Differential effects of RUNX1 splice variants on Lymphoblastoid cell line growth

19:55 – 20:05 I-4 **Yukiko Komeno** (Dong-Er Zhang) (Univ. of California San Diego, USA)
"Runx1-IRES-GFP knock-in" mice as a model of "Runx1a KO" mice: changes in hematopoietic stem cells in stable state and under stress

20:05 – 20:25 **Break**

Chairs: James Mulloy & Suk-Chul Bae

20:25 - 20:45 I-5 **Stefano Stifani** (McGill University, Canada)
Involvement of Runx1 in the development of motor neurons

20:45 – 21:00 I-6 **Cornelia Scheitz** (Tudorita Tumbar) (Cornell University, USA)
The skin stem cell regulator Runx1 is essential for initiation and maintenance of skin squamous cell carcinoma

21:00 – 21:20 I-7 **Ya Huei Kuo** (City of Hope Beckman Research Institute, USA)
Alcam mediated interaction regulates self-renewal of hematopoietic stem cells and Cbfβ-SMMHC induced leukemogenesis.

21:20 **Adjourn**

Monday, August 15, 2011

7:00 – 9:00	**Breakfast (Café Ventana)**	
Session II:	**Mechanisms of cell-fate specification in development and hematopoiesis**	
9:00 – 11:40		
	Chairs: Jennifer Westendorf & Yoram Groner	
9:00 – 9:20	II-1	**Karen Blyth (**Beatson Institute for Cancer Research, UK) Dissecting the role of Runx2 in mammary development and breast cancer
9:20 – 9:40	II-2	**Peter Gergen** (Stony Brook University, USA) Overlapping but distinct roles of Odd-paired and the J AK/Stat pathway in activating the Runt target sloppy-paired-1 during Drosophila segmentation.
9:40 – 10:00	II-3	**Marella de Bruijn** (University of Oxford, UK) Commitment of endothelial cells to a hematopoietic fate in the AGM occurs before E10.5
10:00 – 10:20	II-4	**Motomi Osato** (National University of Singapore) Disruption of Runx family genes leads to bone marrow failure and myeloproliferative disorder due to a defective Fanconi anemia-related DNA damage repair pathway
10:20 – 10:40		**Break**
	Chairs: Ditsa Levanon & Paul Liu	
10:40 – 11:00	II-5	**Alan D. Friedman (**Johns Hopkins University, USA) Runx1 absence or dominant inhibition reduces Cebpa transcription to favor monopoiesis over granulopoiesis
11:00 – 11:20	II-6	**Alan B. Cantor** (Children's Hospital, Boston, USA) Tyrosine phosphorylation of Runx1 by src family kinases.
11:20 – 11:40	II-7	**Issay Kitabayashi** (National Cancer Center Research Inst., Japan) Specification of cell fates by RUNX-interacting histone acetyltransferase MOZ
11:40 – 13:00		**Lunch (Café Ventana)**
13:00 – 15:00		**Poster Session**
15:00 – 18:00		**Afternoon Networking (Outing: Torrey Pines State Reserve)**
17:30 – 19:00		**Dinner (Café Ventana)**

Session III: 19:00 – 21:40 **Leukemia & Lymphoma, Bone Biology (A)**

Chairs: Carol Stocking & Lucio Castilla

19:00 – 19:20	III-1	**Ichiro Taniuchi** (RIKEN, RCAI, Kanagawa, Japan) Genetic and molecular analyses of Runx-dependent transcriptional silencers during thymocytes development.
19:20 – 19:40	III-2	**Alex Tonks** (Cardiff University, UK) The RUNX1-ETO target gene, CD200 inhibits memory Th1 cell function and is associated with increased frequencies of regulatory T-cells in acute myeloid leukemia.
19:40 – 20:00	III-3	**Hironori Harada** (Hiroshima University, Japan) Molecular mechanisms to produce myeloid neoplasms by RUNX1 or MLL chimeras in human $CD34^+$ cells
20:00 – 20:20	III-4	**Jianjun Chen** (University of Chicago, USA) The role of miR-126 in acute myeloid leukemia
20:20 – 20:40		**Break**

Chairs: Hyun Ryoo & Jane Lian

20:40 – 21:-00	III-5	**Takashi Yamashiro (**Okayama University, Japan) Core binding factor beta (Cbfβ) functions in the maintenance of stem cells and orchestrates continuous proliferation and differentiation in mouse incisors
21:00 – 21:20	III-6	**Je-Yong Choi** (Kyungpook National University, Korea) Essential role of Core binding factor-β in cortical bone mass by regulating Runx2 stability
21:20 – 21:40	III-7	**Jennifer J. Westendorf** (Mayo Clinic, USA) Runx2 regulates Axin2 modulation of mesenchymal cell fate in cranial sutures
21:40		**Adjourn**

Tuesday, August 16, 2011

7:00 – 9:00	**Breakfast (Café Ventana)**	
Session IV: **9:00 – 11:50**	**Leukemia & Lymphoma, Bone Biology (B)**	
	Chairs: Marella de Bruijn & Yoshi Ito	
9:00 – 9:20	IV-1	**Carol Stocking** (Heinrich-Pette-Institute, Germany) RUNX1 in-B-cell development and leukemia.
9:20 – 9:4	IV-2	**Gang Huang** (Cincinnati Children's Hospital, USA) MLL-PTD causes hypomorph condition of CBF complex (RUNX1/CBFβ) and predisposes the abnormal HSPCs to clonal expansion
9:40 – 10:00	IV-3	**James C. Mulloy** (Cincinnati Children's Hospital, USA) Dual role of RUNX1 in human myeloid neoplasms
10:00 – 10:20	IV-4	**Gillian Borland** (Ewan Cameron) (University of Glasgow, UK) A role for endogenous Runx1 in lymphoma maintenance?
10:20 – 10:50		**Break**
	Chairs: Je-Yong Choi & Gary Stein	
10:50 – 11:10	IV-5	**Jane Lian** (Univ. of Massachusetts Medical School, USA) Runx2 Controls the Skeletal Landscape
11:10 – 11:30	IV-6	**Hyun-Mo Ryoo** (Seoul National University, Korea) Loss-of-Pin1 impairs osteoblastogenesis by reducing Runx2 protein stability
11:30 – 11:50	IV-7	**Andre van Wijnen** (Univ. of Massachusetts Medical School, USA) A Program of MicroRNAs Controls Osteogenic Lineage Progression by Targeting Transcription Factor RUNX2
11:50 – 13:30		**Lunch (Café Ventana)**

Session V: Development and Cancer
14:00 – 17:20

Chairs: Jim Neil & Peter Gergen

14:00 – 14:20 V-1 **Yoram Groner** (The Weizmann Institute of Science, Israel)
The Role of Alternative Promoter Usage in Runx3 Biology

14:20 – 14:40 V-2 **Ditsa Levanon** (Weizmann Institute of Science, Israel)
Transcription Regulation of Cytolytic Effector Cells by Runx3

14:40 – 15:00 V-3 **You-Mie Lee** (Kyungpook National University, Korea)
Methylation by G9a HMT impairs the function and subcellular localization of RUNX3

15:20 – 15:40 V-4 **Han-Sung Jung** (Yonsei University, Korea)
Abnormal liver differentiation and impaired angiogenesis in mice lacking Runx3

15:40 – 16:00 V-5 **Lin-Feng Chen** (University of Illinois at Urbana-Champaign, USA)
RUNX3 acts as a tumor suppressor in breast cancer by targeting estrogen receptor α

16:00 – 16:20 **Break**

Chairs: Stefano Stefani & Nancy Speck

16:20 – 16:40 V-6 **Yoshiaki Ito** (Cancer Science Institute of Singapore, Singapore)
Runx3 protects gastric epithelial cells against EMT-induced plasticity and Lgr5-expressing tumorigenic subpopulation

16:40 – 17:00 V-7 **Suk-Chul Bae** (Chungbuk National Univ. Korea)
Identification of a mechanism of feedback regulation critical for the R-point decision.

17:00 – 17:20 V-8 **Stephen D. Nimer** (Memorial-Sloan Kettering Cancer Center, USA)
Effects of “histone modifying enzymes” on the function of AML1 and AML1-ETO

17:20 Adjorn

17:30 – 20:30 **Cocktail at the Bistro Patio**

19:00 – 22:00 **Reception Dinner at the Bistro**

Wednesday, August 17, 2011

7:00 – 9:00	**Breakfast (Café Ventana)**	
Session VI: **8:40 – 11:30**	**Therapeutic targets and drug discovery**	
	Chairs: Ichiro Taniuchi & Motomi Osato	
8:40 – 9:00	VI-1	**Paul Liu (**NHGRI, NIH, USA) Development of novel targeted treatment for Core Binding Factor (CBF) leukemias
9:00 – 9:20	VI-2	**Lucio Castilla** (University of Massachusetts, USA) Oncogenic THPO/MPL signaling in acute myeloid leukemia with RUNX1-ETO
9:20 – 9:40	VI-3	**J.-R. Joanna Yeh** (Massachusetts General Hospital, USA) Discovering chemical suppressors of AML1-ETO in zebrafish
9:40 – 10:00		**Break**
	Chairs: Issay Kitabayashi & Andre van Wijnen	
10:00 – 10:20	VI-4	**Jörn Lausen** (Georg-Speyer Haus Institute for Biomedical Research, Germany) The histone arginine methyl-transferase PRMT6 is a RUNX1 associated corepressor
10:20 – 10:40	VI-5	**Yogen Saunthararajah** (Cleveland Clinic, USA) Runx1 regulation of corepressor/coactivator exchange by lineage-specifying transcription factors enables selective, p53-independent anti-leukemia therapy
10:40 – 10:55	VI-6	**Miao-Chia Lo** (Dong-Er Zhang) (Univ. of California San Diego, USA) Combined gene expression and DNA occupancy profiling identifies JAK/STAT signaling as a valid therapeutic target of t(8;21) acute myeloid leukemia
10:55 – 11:25	**2012 Organizers/Round Table**	
11:25		**Adjourn**
11:30 – 1:00		**Lunch (Café Ventana)**

POSTER PRESENTATIONS:

P-1 **Nras oncogenic mutation provides survival advantage to preleukemic progenitors and synergizes with CBFb-SMMHC in leukemia development**
Liting Xue (Lucio Castilla) (University of Massachusetts Medical School)

P-2 **Cis-regulatory contributions to the regulation of sloppy-paired-1 transcription initiation and elongation**
Saiyu Hang (Peter Gergen) (Stony Brook University, New York)

P-3 **CBFβ is required in Ly6a-expressing cells for hematopoietic stem cell formation**
Yan Li (Nancy Speck) (University of Pennsylvania)

P-4 **Runx1 is required for Cbfb-MYH11 activity during primitive hematopoiesis**
Paul Liu (NHGRI, NIH, Bethesda Maryland)

P-5 **Negative Effects of Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) Signaling in a Murine Model of t(8;21)-Induced Leukemia**
Ming Yan (Dong-Er Zhang) (University of California, San Diego)

P-6 **PRMT1 interacts with AML1-ETO to promote its transcriptional activation and progenitor cell proliferative potential**
Wei-Jong Shia (Dong-Er Zhang) (University of California, San Diego)

P-7 **COX/b-catenin signaling pathway mediates AML1-ETO function in leukemogenesis**
Yiyun Zhang (J.-R. Joanna Yeh) (Massachusetts General Hospital)

P-8 **S100A2, a target gene of RUNX3 and p53 in gastrointestinal cells**
J**ason Koo** (Yoshiaki Ito) (Cancer Science Institute of Singapore)

P-9 **Histone acetyltransferase MOZ and MORF are essential for hematopoiesis and self renewal of hematopoietic stem cells.**
Issay Kitabayashi (National Cancer Center Research Institute, Tokyo)

P-10 The SALL4/Runx1 pathway in normal hematopoiesis
Chong Gao (Li Chai) (Brigham and Women''s Hospital, Boston, MA)

P-11 Identification of RUNX as centrosome-associated proteins.
Soak Kuan Lai (Yoshiaki Ito) (Cancer Science Institute of Singapore, NUS)

P-12 Identification of a mechanism of feedback regulation critical for the R-point decision.
Xin-Zi Chi (Suk-Chul Bae) (Chungbuk National University Korea)

P-13 Epigenetic repression of the AML1/ETO target gene LAT2 and its effects upon myeloid differentiation
Jesus Duque-Afonso (Michael Lubbert) (University of Freiburg)

P-14 Development and Characterization specific, small-molecule inhibitors of CBFβ-SMMHC
Paul Bradley (Lucio Castilla) (University of Massachusetts Medical School)

P-15 Alcam mediated interaction regulates self-renewal of hematopoietic stem cells and Cbfβ-SMMHC induced leukemogenesis.
Robin Jeannet (Ya Huei Kuo) (City of Hope)

P-16 Notch regulation of runx1 expression in zebrafish endothelial cells.
Emerald Butko (David Traver) (University of California San Diego)

P-17 Abnormal liver differentiation and impaired angiogenesis in mice lacking Runx3
Jong-Min Lee (Han-Sung Jung) (Yonsei University)

P-18 Modeling *RUNX1* biallelic mutations associated with AML-M0 and AML-FPD in mice reveals importance of residual Runx1 function
Kira Behrens (Carol Stockling) (Heinrich-Pette-Institute)