

OMCOS 4

Vancouver
1987

OMCOS 4, Vancouver, July 26-30, 1987

I was approached to consider hosting this meeting early in 1984 by Bob Bergman as the International Advisory Board wanted to have this meeting somewhere in North America. I was reluctant to jump in because at the time I was relatively junior and only about half of my research effort involved organometallic chemistry directed towards organic synthesis. Fortunately, a co-chair was found, Gary Posner from Johns Hopkins University, and between the two of us, we managed to successfully host this important international meeting. Although it has been almost 24 years since that meeting, one of the memorable events was the Salmon Barbecue on the Wednesday evening at the Museum of Anthropology overlooking the beautiful coastal mountains and Burrard inlet. As the titles and names of the 10 Plenary Lectur-

ers (PLN) and 10 Invited Speakers (INV) below indicate, it was a truly international meeting with many of the giants of organic and organometallic chemistry represented. While much of the “hot” chemistry then is of course the stuff of undergraduate textbooks now, one can read that even back then, transition metal catalysis was incredibly important, and there are numerous abstracts with the phrase “palladium catalyzed..” prominent, reaffirming the choice of the 2010 Nobel Prize in Chemistry to Heck, Suzuki and Negishi. On behalf of all of organizers from OMCOS-IV, we extend our best wishes to all of the participants and organizers of OMCOS 16. The chemistry continues to change but the enthusiasm for this meeting is still vibrant.

Michael Fryzuk
University of British Columbia

OMCOS-IV

SOCIAL AND SCIENTIFIC SCHEDULE

Sunday July 26	14:00 – 19:00	Registration	Faculty Club
	19:00 – 21:30	Symposium Mixer	Faculty Club Ballroom

Monday July 27th	08:00 – 17:00	Registration	IRC Foyer
SESSION CHAIRED BY G.H. POSNER			
	08:15	Opening Remarks	IRC 2
	08:30 PLN-01	Robert G. Bergman <i>Carbon-Carbon Bond-Forming Reactions of Organotransition Metal Enolate Complexes</i>	IRC 2
	09:30 INV-01	Tamio Hayashi <i>Asymmetric Synthesis Catalyzed by Chiral Ferrocenylphosphine-Metal Complexes</i>	IRC 2
	10:00 INV-02	Stephen G. Davies <i>Chirality Control and Molecular Recognition in Synthesis</i>	IRC 2
	10:30	Coffee Break	IRC Foyer
SESSION CHAIRED BY H. NOZAKI			
	11:00 PLN-02	Hisashi Yamamoto <i>Organoaluminum Reagents for Selective Reactions</i>	IRC 2
	12:00	Lunch Break	

SESSION CHAIRED BY K.M. NICHOLS

Communications Session 1

13:30	PS1-10	G.R. Stephenson	IRC 2
13:45	PS1-27	B.P. Branchaud	IRC 2
14:00	PS1-48	M. Bressan	IRC 2
14:15	PS1-50	P. Legzdins	IRC 2
14:30	INV-03	Lanny S. Liebeskind	IRC 2
		<i>Metal Catalyzed Routes to 5-Membered Rings</i>	
15:00		Coffee Break	IRC Foyer
15:30	PLN-03	Howard Alper	IRC 2
		<i>Metal Catalyzed Carbonylations and Oxidation-Reduction Reactions</i>	

Communications Session 2

16:30	PS2-06	M. Ochiai	IRC 2
16:45	PS2-13	M.T. Reetz	IRC 2
17:00	PS2-42	K. Oertle	IRC 2
17:15	PS2-48	R.C. Larock	IRC 2
17:30		Dinner Break	
19:30		Poster Session 1 (Bar and snacks)	IRC Foyer

Tuesday
July 28

08:00-13:00		Registration	IRC Foyer
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SESSION CHAIRED BY B.H. LIPSHUTZ

08:30	PLN-04	Wolfgang Oppolzer	IRC 2
		<i>Metal-Directed Stereoselective Functionalizations of Alkenes in Organic Synthesis</i>	
09:30	INV-04	Alex Alexakis	IRC 2
		<i>Chiral Acetals in Organometallic Synthesis</i>	
10:00	INV-05	Christina Ullenius	IRC 2
		<i>Organocuprate Addition to α/β-Unsaturated Carbonyl Compounds: Synthetic and Mechanistic Aspects</i>	
10:30		Coffee Break	IRC Foyer
11:00	PLN-05	Jeffrey Schwartz	IRC 2
		<i>New Organometallic Reagents for Olefin Synthesis</i>	
12:00		Lunch Break	
14:00		EXCURSIONS AND FREE TIME	
08:00 - 17:00		Registration	IRC Foyer

Wednesday
July 29

SESSION CHAIRED BY G. VAN KOTEN

08:30 PLN-06 **Ian Fleming** IRC 2
Stereochemical Control in Organic Synthesis Using Silicon Compounds

09:30 INV-06 **Francesco Naso** IRC 2
Stereospecific Synthesis of Olefins Through Sequential Cross-Coupling Reactions

10:00 INV-07 **Ehud Keinan** IRC 2
Total Synthesis of Polyprenoids via Pd(0)-Catalyzed Oligomerizations

10:30 Coffee Break IRC Foyer

11:00 PLN-07 **Robert J. P. Corriu** IRC 2
The Intervention of Hypervalent Silicon in the Course of Chemical Transformation

12:00 Lunch Break

13:30 **Poster Session 2** IRC Foyer
(Light Snacks)

SESSION CHAIRED BY B. WAEGELL

16:00 INV-08 **Edward Piers** IRC 2
The Use of Some Bifunctional Reagents in Organic Synthesis

16:30 PLN-08 **Isao Kuwajima** IRC 2
New Reactive Nucleophiles Generated via a Silicon/Metal Exchange

18:30 – 21:30 Salmon Barbecue Museum of Anthropology

Thursday July 30 **08:00 – 13:00** Registration IRC Foyer

SESSION CHAIRED BY G. CASNATI

08:30 PLN-09 **Reinhard W. Hoffmann** IRC 2
 α -Chiral Allyboronates – Reagents for Asymmetric Synthesis

09:30 INV-09 **Marcetta Y. Darensbourg** IRC 2
Mechanisms of Group Transfer in Anionic Transition Metal Hydrides and Alkyls

10:00 INV-10 **William D. Wulff** IRC 2
Transition Metal Carbene Complexes in Organic Synthesis

10:30 Coffee Break IRC Foyer

11:00 PLN-10 **David A. Evans** IRC 2
The Catalyzed Hydroboration Reaction

12:00 Closing Remarks



Ehud Keinan



Alex Alexakis



Howard Alper



Jeffrey Schwartz



Lanny Liebeskind



Hisashi Yamamoto



Bob Bergman

- Photos from Gary Posner