

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 27 th	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	IRC 2
<i>Carbon-Carbon Bond-Forming Reactions of Organotransition Metal Enolate Complexes</i>			
09:30	INV-01	Tamio Hayashi	IRC 2
<i>Asymmetric Synthesis Catalyzed by Chiral Ferrocenylphosphine-Metal Complexes</i>			
10:00	INV-02	Stephen G. Davies	IRC 2
<i>Chirality Control and Molecular Recognition in Synthesis</i>			
10:30	Coffee Break	IRC Foyer	
SESSION CHAIRED BY H. NOZAKI			
11:00	PLN-02	Hisashi Yamamoto	IRC 2
<i>Organoauminum Reagents for Selective Reactions</i>			
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

Metal Catalyzed Routes to 5-Membered Rings

15:00		Coffee Break	IRC Foyer
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15:30	PLN-03	Howard Alper	IRC 2
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Metal Catalyzed Carbonylations and Oxidation-Reduction Reactions

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	
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19:30		Poster Session 1 (Bar and snacks)	IRC Foyer
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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
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Metal-Directed Stereoselective Functionalizations of Alkenes in Organic Synthesis

09:30	INV-04	Alex Alexakis	IRC 2
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Chiral Acetals in Organometallic Synthesis

10:00	INV-05	Christina Ullenius	IRC 2
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Organocuprate Addition to α/β -Unsaturated Carbonyl Compounds: Synthetic and Mechanistic Aspects

10:30		Coffee Break	IRC Foyer
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11:00	PLN-05	Jeffrey Schwartz	IRC 2
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New Organometallic Reagents for Olefin Synthesis

12:00		Lunch Break	
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14:00		EXCURSIONS AND FREE TIME	
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Wednesday
July 29

08:00 - 17:00		Registration	IRC Foyer
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SESSION CHAIRED BY G. VAN KOTEN

08:30 PLN-06	Ian Fleming	IRC 2	16:30 PLN-08	Isao Kuwajima	IRC 2		
<i>Stereochemical Control in Organic Synthesis Using Silicon Compounds</i>							
09:30 INV-06	Francesco Naso	IRC 2	18:30 – 21:30	Salmon Barbecue Museum of Anthropology			
<i>Stereospecific Synthesis of Olefins Through Sequential Cross-Coupling Reactions</i>							
10:00 INV-07	Ehud Keinan	IRC 2	Thursday	08:00 – 13:00	Registration		
<i>Total Synthesis of Polyprenoids via Pd(0)-Catalyzed Oligomerizations</i>					IRC Foyer		
10:30	Coffee Break	IRC Foyer	SESSION CHAIRED BY G. CASNATI				
11:00 PLN-07	Robert J. P. Corriu	IRC 2	08:30 PLN-09	Reinhard W. Hoffmann	IRC 2		
<i>The Intervention of Hypervalent Silicon in the Course of Chemical Transformation</i>							
12:00	Lunch Break		09:30 INV-09	Marcetta Y. Darensbourg	IRC 2		
13:30	Poster Session 2 (Light Snacks)	IRC Foyer	<i>Mechanisms of Group Transfer in Anionic Transition Metal Hydrides and Alkyls</i>				
SESSION CHAIRED BY B. WAEGELL							
16:00 INV-08	Edward Piers	IRC 2	10:00 INV-10	William D. Wulff	IRC 2		
<i>The Use of Some Bifunctional Reagents in Organic Synthesis</i>							
10:30	Coffee Break	IRC Foyer	11:00 PLN-10	David A. Evans	IRC 2		
<i>Transition Metal Carbene Complexes in Organic Synthesis</i>							
12:00	Closing Remarks		12:00	<i>The Catalyzed Hydroboration Reaction</i>			



Ehud Keinan



Alex Alexakis



Howard Alper



Jeffrey Schwartz



Lanny Liebeskind



Hisashi Yamamoto



Bob Bergman

- Photos from Gary Posner