

Synthetic Genes to Synthetic Life

33rd Steenbock Symposium

In honor of Gobind Khorana

On the Exploration and Synthesis of Biological Systems

July 30th - August 2nd 2009

University of Wisconsin–Madison

Organizers:

Aseem Z Ansari

Uttam L RajBhandary



All talks at Ebling Symposium Center

Microbial Sciences Building, 1550 Linden Drive

Thursday, July 30th, 2009

4:00 - 5:45 pm Reception and Registration.

Pick up conference materials at Khorana Auditorium
(Room 175 Biochemistry Addition, 433 Babcock Drive)

Session 1: General

6:00 pm	Welcome	Aseem Ansari
6:05 - 6:20	Opening Remarks	Uttam RajBhandary
6:20 - 6:40	Marv Caruthers	
6:40 - 7:00	Peter Kim	
7:00 - 7:20	Henry Lardy	
7:20 - 7:40	Marshall Nirenberg	
7:40 - 8:00	Marsha Rosner	

Friday, July 31st, 2009

8:30 am Continental Breakfast

Session 2: Nucleic Acids

9:00 - 9:05 Comments (Chair: Hara Ghosh)

9:05 - 9:25 Robert Wells

9:25 - 9:45 Hikoya Hayatsu

9:45 - 10:05 Sankar Adhya

10:05 - 10:25 Dieter Söll

10:25 - 10:45 Coffee Break

10:45 - 10:50 Comments (Chair: Takao Sekiya)

10:50 - 11:10 Li Niu

11:10 - 11:30 Hans Fritz

11:30 - 11:50 Eiko Ohtsuka

11:50 - 12:10 Simon Chang

12:10 - 1:45 Lunch & the Poster Session

Session 3: Membranes, Receptors and Signaling

1:45 - 1:50 Comments (Chair: Pere Garriga)

1:50 - 2:10 Julius Adler

2:10 - 2:30 Marie Alda Gilles-Gonzalez

2:30 - 2:50 Wayne Hubbell

2:50 - 3:10 Tom Sakmar

3:10 - 3:30 Dave Farrens

3:30 - 4:00 Break

4:00 - 4:05 Comments (Chair: Umesh Varshney)

4:05 - 4:25 John Hwa

4:25 - 4:45 Kevin Ridge

4:45 - 5:05 Judith Klein-Seetharaman

5:05 - 5:25 Peter Besmer

Saturday, August 1st, 2009

8:00 am Continental Breakfast

Session 4: Genes and Regulation

- 8:25 - 8:30 Comments (Co-Chairs: Molly Jahn & Masayasu Nomura)
8:30 - 8:55 Mark Ptashne
8:55 - 9:20 Peter Dervan
9:20 - 9:45 Phil Sharp
9:45 - 10:05 Jim Dahlberg
10:05 - 10:30 Ron Breaker

10:30- 10:45 Coffee Break

Session 5: Genomes, Networks, Systems and Molecular Medicine

- 10:45 - 10:50 Comments (Chair: Lloyd Smith)
10:50 - 11:15 Lee Hood
11:15 - 11:40 Rick Young
11:40 - 12:05 Pat Brown
12:05 - 12:25 Audrey Gasch

12:30 - 2:30 Lunch & the Poster Session Continued

Session 6: Rewiring Cell Fate and Signaling Pathways

- 2:30 - 2:35 Comments (Chair: Jennifer Reed)
2:35 - 2:55 Jamie Thomson
2:55 - 3:20 Wendell Lim
3:20 - 3:40 Laura Kiessling

Session 7: Rewiring Genes and Networks (Biofuels)

- 3:40 - 3:45 Comments (Chair: Tim Donohue)
3:45 - 4:10 Jay Keasling
4:10 - 4:30 Bob Landick

4:30 - 4:45 Break

Session 8A: Origins & Designing life – Synthetic Life

- 4:45 - 4:50 Comments (Chair: Aseem Ansari)
4:50 - 5:15 Hamilton Smith
5:15 - 5:40 George Church
5:40 - 6:05 George Whitesides
6:05 - 6:30 Alta Charo

7:00 - 9:00 Banquet (Pyle Center Alumni Lounge, 702 Langdon Street)

Violin Concerto - Bach's double violin concerto
Mark Ptashne with Adrian Levine & Sara Sitzer
Banquet Speaker: Bill Dove

Sunday, August 2nd, 2009

8:00 am Continental Breakfast

Session 8B: Origins & Designing life – Synthetic Genes and Genomes

8:25 - 8:30 Comments (Chair: Nicole Perna)

8:30 - 8:50 Fred Blattner

8:50 - 9:15 Tom Knight

9:15 - 9:40 Rob Phillips

Session 9: Nano-Devices and Biomachines

9:40 - 9:45 Comments (Co-Chairs: Franco Cerrina & George Phillips)

9:45 - 10:10 Ned Seeman

10:10 - 10:35 William Shih

10:35 - 10:55 Ryan Kershner

Session 10: Development, Disease and Drug Design

10:55 - 11:00 Comments (Co-Chairs: James Ntambi & Mukhtar Hasan)

11:00 - 11:25 Mike Levine

11:25 - 11:45 Alan Attie

11:45 - 12:05 James Bradner

Closing Remarks

12:05 – 12:25 Wacław Szybalski

