Charles R. (Chuck) Martin was born in 1953 in Cincinnati, Ohio where he attended excellent public schools. He went to Centre College in Danville, KY—initially as an English major—but switched to chemistry, was elected to Phi Beta Kappa, and graduated with High Distinction honors in 1975. Chuck was the first member of his family to graduate from college.

After Centre, Martin decided to pursue a Ph.D. in analytical chemistry. He chose the University of Arizona not only because of its excellent analytical reputation, but also because Chuck was ready to see and experience something new. The gene for wanderlust runs in the Martin family. He did his graduate work under the direction of Prof. Henry Freiser and received the Ph.D. in 1980. He then moved to the University of Texas at Austin where he was a Robert A. Welch Postdoctoral Fellow with Prof. Allen J. Bard.

Chuck's first faculty appointment was in the department of chemistry at Texas A&M University, a department which had never tenured an analytical chemist. Nevertheless, he got tenure early and was subsequently promoted to full professor. Chuck was at A&M for nine years, and then in 1990 moved to Colorado State University, where he stayed nine years. Motivated by a series of astrological events, Chuck moved to the University of Florida in 1999 where he is The
Colonel Allen R. & Margaret G. Crow Professor of Chemistry and a University Distinguished Professor.

Martin's research interests are in electrochemistry, bioanalytical chemistry and materials science. His energy-related work at A&M helped enable the modern PEM fuel cell. In the early 1980s he became interested in what are now called “nano” electrodes, long before the word “nanoscience” existed. Martin is perhaps best known for the development of the template synthesis method for preparing nanowires and nanotubes, which is now used in laboratories throughout the world.

Martin’s 300+ scientific papers have been cited by other authors over 27,000 times. His H-index is 90. He has received the American Chemical Society Division of Analytical Chemistry Award in Electrochemistry (2010), the Charles N. Reilley Award of the Society for Electroanalytical Chemistry (2009), The Florida Award of the Florida ACS (2005), and the Carl Wagner Memorial Award of the Electrochemical Society (1999). He was recently honored by Thomson Reuters as one of the world's top 100 chemists of the 21st Century based on citation impact score. Prof. Martin is the editor of the journal *Nanomedicine*.

Chuck is also an award-winning songwriter and recording artist. You can see him perform at the ChuckMartinGeniusBoy channel on YouTube.

### Outside the Box and Across the Interfaces

**Symposium Program: a total of 10 invited talks**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
<th>Place</th>
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<tbody>
<tr>
<td>8:30–8:40a</td>
<td>Dr. Bill Dolbier</td>
<td>Introduction</td>
<td>207 Leigh Hall</td>
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<tr>
<td>8:40–8:45a</td>
<td>Dean</td>
<td>Remarks</td>
<td>207 Leigh Hall</td>
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<tr>
<td>8:45–9:00a</td>
<td>Photo session</td>
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<td>Outside at the steps of 130 CLB</td>
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<tr>
<td>9:00a–12:20p</td>
<td>Five invited speakers</td>
<td>Individual talks</td>
<td>207 Leigh Hall</td>
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<tr>
<td>12:20–2:00p</td>
<td>Lunch Break</td>
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<td>309 Leigh Hall</td>
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<tr>
<td>2:00–4:20p</td>
<td>Four invited speakers</td>
<td>Individual talks</td>
<td>207 Leigh Hall</td>
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<tr>
<td>4:20–4:40p</td>
<td>Coffee break</td>
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<td>309 Leigh Hall</td>
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<tr>
<td>4:40–5:40p</td>
<td>Chuck Martin presentation</td>
<td>Talk by Chuck Martin</td>
<td>207 Leigh Hall</td>
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<tr>
<td>6:00–7:00p</td>
<td>Social hour</td>
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<td>Garden Club</td>
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<tr>
<td>7:00–8:15p</td>
<td>Dinner</td>
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<td>Garden Club</td>
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<tr>
<td>8:15–9:30p</td>
<td>Comments about Chuck Martin and Chuck’s performance</td>
<td>Garden Club</td>
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Outside the Box and Across the Interfaces

A Symposium Honoring Professor Charles R. Martin on his 60th Birthday
Center for Research at the Bio/Nano Interface, Department of Chemistry, University of Florida
8:30 am, Saturday, November 16, 2013
207 Leigh Hall, University of Florida

Morning session

9:00a Introduction by Prof. Lane Barker
Prof. Henry White, (University Distinguished Professor, Department of Chemistry, University of Utah)
Hydrogen Nanobubble

9:35a Introduction by Prof. Punit Kohli
Prof. Reginald M. Penner (Chancellor's Professor of Chemistry and Chair, Department of Chemistry, University of California, Irvine)
Benevolent Viruses Working on Your Behalf, to Detect Cancer

10:10a Introduction by Dr. Heather Hillebrenner
Prof. Isiah M. Warner, (Boyd Professor and Philip W. West Professor, Department of Chemistry, Louisiana State University)
GUMBOS: Tunable Materials for Biomedical Applications

10:45a Coffee break

11:00a Introduction by Prof. Dan Feldheim
Prof. Hitomi Mukaibo (Assistant Professor, Department of Chemistry Engineering, University of Rochester)
Nanopore membranes for biosensors, electro-osmosis and gene delivery

11:35a Introduction by Dr. Fan Xu
Prof. Robert Williams (University Distinguished Professor, Department of Chemistry Colorado State University)
Quinine—A Story of Chemistry, History, Personalities and Ethics
12:10p  Lunch (box lunch will be provided at 309 Leigh Hall)
Afternoon session

2:00p  Introduction by Dr. Q. Schulte
Prof. Dick Crooks, (Robert A. Welch Chair in Materials Chemistry, Department of Chemistry, The University of Texas at Austin)
*Well-defined Nanoparticles Inspired by the Martin Template Method: Synthesis, Characterization, and Electrocatalysis*

2:35p  Introduction by Dr. Jorge Colon
Prof. Robert B. Moore (Professor, Department of Chemistry, Virginia Polytechnic Institute and State University)
*Structured Polymer Electrolytes and Nafion Déjà vu*

3:10p  Introduction by Dr. Leon Van Dyke
Dr. Debra Rolison (Head, Advanced Electrochemical Materials Section, U. S. Naval Research Laboratory)
*Architecturally Rewriting Energy Storage by Borrowing Functionality from Fuel Cells, Batteries, Electrolyzers, and Electrochemical Capacitors: Zinc–Air Batteries*

3:45p  Introduction by Dr. Nelson Prieto
Prof. Zuzanna Siwy (Professor, Department of Physics and Astronomy, University of California, Irvine)
*Biophysics, Physical Chemistry and Biosensing with Nanopores —Mimicking Nature*

4:10p  Coffee break

4:30–5:30p  Introduction by Dr. Lisa Martin
Prof. Charles Martin (Colonel Allan R. and Margaret G. Crow Professor of Chemistry, University Distinguished Professor, Department of Chemistry, University of Florida).
*Outside the Box and Across the Interface*
Outside the Box and Across the Interfaces

A Symposium Honoring Professor Charles R. Martin on his 60th Birthday

Center for Research at the Bio/Nano Interface
Department of Chemistry
University of Florida
Gainesville, Florida
November 16, 2013

Symposium organization

Symposium Chair: Bill Dolbier
Symposium organizers: Weihong Tan and Reginald M. Penner
Symposium academic committee chair: Henry White
Symposium local activities and contact person: Ms. Beth Eddy
(Sorry, the contact information is not provided.
Symposium organizing committee: Bill Dolbier, Weihong Tan, Reginald M. Penner, Henry White, Beth Eddy, Sybil Holt, Zuzanna Siwy, Lane Barker, and Punit Kohli