

NextMed2

Envisioning the Future of Medicine

Omni Parker House
Boston, Massachusetts
April 9 - 11, 1999

Program Chair
CDR Shaun B. Jones MD

Conference Organizer
Aligned Management Associates, Inc.

Sponsored By
SmithKline Beecham & Global Business Network

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NextMed2—*Envisioning the Future of Medicine*

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Sponsors

SmithKline Beecham

SmithKline Beecham is one of the world's leading healthcare companies. SB discovers, develops, manufactures and markets pharmaceuticals, vaccines, over-the-counter medicines and health-related consumer products, and provides healthcare services, including disease management, clinical laboratory testing, and pharmaceutical benefit management.

Global Business Network

Global Business Network, founded in 1987, is a unique network of member companies and individuals committed to re-perceiving the present in order to anticipate the future and improve the strategic response. Building on its acclaimed expertise in scenario planning, GBN strives to create unique ideas, collaborative learning experiences, and tools that develop the capacity of organizations to think broadly, deeply, and creatively about alternative futures.

Organizer

AMA, Inc.

Aligned Management Associates, Inc., a biomedical communications company, aims to transform medicine through communication. Our mission is to create exceptional opportunities for healthcare providers and supporting biomedical organizations to share medical and scientific experience, technology, ideas, and vision. Our website is www.amainc.com.

AMA, Inc. would like to thank **SB** and **GBN** for their support of NextMed2.

Schedule

Friday, April 9

8:00 Continental Breakfast

9:00 ***Welcome & Introduction***
Shaun Jones MD

9:15 ***Introduction to the Future***
Peter Schwartz

9:45 ***Biomimetics: The Next Wave***
Donald Ingber MD PhD

10:15 Break

10:30 ***The Inner Universe of the Mind:
Insights from Neurobiology***
Patricia Goldman-Rakic PhD

11:00 ***Functional Genomics of Heritability
and Individuality of Human
Longevity: A Centenarian Study***
Eugenia Wang PhD

11:30 Panel discussion / Q & A with Ingber,
Goldman-Rakic, Wang

Noon Lunch

1:30 ***Tissue Remodeling and Repair: A
Nexus for Stem Cell Biology, Drug
Discovery, Gene Therapy and
Materials Science***
R. Sanders Williams MD

2:00 ***Ensemble Recordings of Neuronal
Populations: A Window into
Understanding Cognition and How it
Changes With Age***
Carol Barnes PhD

2:30 ***Molecular Signatures of Cancer:
Revolutionizing Cancer Research***
Carol Dahl PhD

3:00 Break

3:15 Panel discussion / Q & A with
Williams, Barnes, Dahl

3:45 ***Day's Overview***
Peter Schwartz

4:15 Reception

Saturday, April 10

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|-------|--|------|---|
| 8:00 | Continental Breakfast | 1:30 | <i>Extraordinary Manufacturing Capability</i>
Jim Peoples BS ME & Brian
Rosenberger BS |
| 9:00 | <i>Welcome & Introduction</i>
Shaun Jones MD | 2:00 | <i>Medical Telesensor Application
Specific Integrated Circuits</i>
Tom Ferrell PhD |
| 9:15 | <i>Genetics and Advanced Computing:
The Drivers of Systems Biology and
Molecular Medicine</i>
George Poste DVM PhD | 2:30 | <i>Replacement Parts for the Brain: A
New Era of Neuro Prosthetics</i>
Ted Berger PhD |
| 9:45 | <i>Exploring Very Large Genomes with
a Very Small Aperture</i>
Daniel Branton PhD | 3:00 | Break |
| 10:15 | Break | 3:15 | Panel discussion / Q & A with
Peoples, Rosenberger, Ferrell, Berger |
| 10:30 | <i>Stem Cells, Nuclear Transfer and
Cell Immortality</i>
Michael West PhD | 3:45 | <i>Day's Overview</i>
Peter Schwartz |
| 11:00 | <i>Thinking Yourself Well:
Neuroimmunomodulatory Peptides</i>
James Lipton PhD | 4:15 | Adjourn |
| 11:30 | Panel discussion / Q & A with Poste,
Branton, West, Lipton | | |
| Noon | Lunch | | |

Sunday, April 11

8:00 Continental Breakfast

9:00 *Welcome & Introduction*
Shaun Jones MD

9:15 *Our Assumptions about Future
Healthcare: What if They are Wrong?*
George Whitesides PhD

9:45 *What is an Intermental Net and Why
is It Different?*
Dave Warner MD

10:15 *Next Up? Ethical Guideposts for the
Biomedical Revolution in the Twenty-
First Century*
Arthur Caplan PhD

10:45 *Reperceiving Healthcare in a New
Era of Possibilities*
Peter Schwartz

11:15 Panel discussion / Q & A with
Whitesides, Caplan, Warner, Schwartz

11:45 Adjourn