

**NextMed:
The End of Health Care?**

(Thought ∞ Health ∞ Immortality)

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Defense Advanced Research Projects Agency
Arlington VA

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Aligned Management Associates, Inc.
San Diego CA

**San Diego Hyatt Regency
January 27 - 29, 1998**

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Tuesday, January 27, 1998

- 8:30 *Welcome & Introduction*
Shaun Jones MD
- 9:00 *Molecular Medicine, Population Genetics and Individualized Care*
George Poste DVM PhD
- 9:30 *The Genomics Revolution: An Enabling Platform for a New Era in Biomedical Research*
Robert Strausberg PhD & Carol Dahl PhD
- 10:00 *Languaging the Future: From The Decade Of The Brain To The Millennium Of The Mind*
Dave Warner MD
- 10:30 Break
- 10:45 *The Role of Miniaturization Technologies in Medicine of the Future*
Gregory Kovacs MD PhD
- 11:15 *The Future of Infectious Disease*
Stephen Morse PhD
- 11:45 Panel Question & Answer Session
Moderator: **George Poste DVM PhD**
- 12:15 Break
- 1:45 *Introduction*
Shaun Jones MD
- 2:00 *Issues Concerning the Relationship Between Brain Processes and Current Technology*
Karl Pribram MD
- 2:30 *What Can Brain Imaging Tell Us About the Mind and Soul?*
Edythe London PhD
- 3:00 Break
- 3:15 *The Neuron-Silicon Interface: Building Replacement Parts for the Brain*
Theodore Berger PhD
- 3:45 *The 5th Dimensional Human: Integrating Physical, Biochemical and Informational Worlds*
Richard Satava MD
- 4:15 Panel Question & Answer Session
Moderator: **Karl Pribram MD**
- 5:00 Reception, Windsor Room A-B, Third Floor

Wednesday, January 28, 1998

- 8:30 *Introduction*
Shaun Jones MD
- 9:00 *Extending Human Longevity: Myth or Reality?*
Eugenia Wang PhD
- 9:30 *Aging: The Disease Which Afflicts Everyone Over The Age Of Thirty Five. Methods Of
Diagnosis And Treatment*
Ward Dean MD
- 10:00 *Sequence Space: To Boldly Go Where No Life Has Gone Before*
Stephen Johnston PhD
- 10:30 Break
- 10:45 *Mesenchymal Stem Cells in Regenerative Tissue Therapy*
Daniel Marshak PhD
- 11:15 *Clearance of Pathogens*
Ronald Taylor PhD
- 11:45 Panel Question & Answer Session
Moderator: Daniel Marshak PhD
- 12:15 Break
- 1:45 *Introduction*
Shaun Jones MD
- 2:00 *After the Genome: From Molecular Biology to Molecular Cell Engineering*
Donald Ingber MD PhD
- 2:30 *Neuroanatomy From Physics*
Christopher Cherniak PhD
- 3:00 *Genetically Challenged: The Healthcare System in the 21st Century*
Robert Bohrer JD
- 3:30 Panel Question & Answer Session with Analysis & Commentary
Moderator: Peter Schwartz
- 5:30 Reception, Manchester Foyer, Second Floor
- 6:30 *Heads Up - Blue Sky Ahead: Preparing for the Globalization of Tele-Medical Knowledge
Vending*
A multi-media presentation by Dave Warner MD & David C. Balch MA that will focus on
the latest techno-socio-cultural developments affecting the design and deployment of
commercially viable telemedical knowledge delivery systems. This program is offered to
NextMed attendees through its link to **Medicine Meets Virtual Reality: 6.**

Thursday, January 29, 1998

The final session of NextMed will be held in conjunction with the sixth annual conference, *Medicine Meets Virtual Reality*

- Moderator: **Dr. rer nat Hans B. Sieburg**
- 8:00 *Welcome & Introduction*
Karen S. Morgan, President
Aligned Management Associates, Inc.
San Diego
- 8:05 *Accelerating Technology Transfer: New Relationships for Academia, Industry, and Government*
Richard M. Satava MD
- 8:25 *Panel Discussion: Academic Entrepreneurship: Funding for Research & Development of New Healthcare Technologies*
Chair: **Dr. rer nat Hans B. Sieburg**
Panelists: **Stephen R. Bochner MD**, Portola Valley CA; **Brook Byers**, Kleiner Perkins
Caufield & Byers, Menlo Park CA; **Richard Hamilton**, Oxford Bioscience Partners, Costa
Mesa CA; **Douglas H. Obenshain**, Ernst & Young, San Diego CA; **Jeffrey Sollender**,
Forward Ventures, Inc., La Jolla CA
- 9:45 *Engineering the Future of Biotechnology*
Dr. rer nat Hans B. Sieburg
- 10:00 Break
- Moderator: **Shaun Jones MD**
- 10:30 *Medicine Meets Magic*
Susan E. Squires PhD
- 11:00 **Keynote Presentation**
The Long Boom: A Positive View of Healthcare in the Next Century
Peter Schwartz
- 11:45 **Presentation of the 1998 Satava Award**
- 12:00 **End of NEXTMED**