# 6TH ALCOR CONFERENCE



## An Inside Look at the Science and Medicine of Tomorrow

**October 6-8, 2006**

Scottsdale Marriott at McDowell Mountains
Scottsdale, Arizona

**TOPICS INCLUDE:**

anti-aging research

life extension

nanomedicine & nanotechnology

whole body cryopreservation

cryonic revival

**Visit us online:**
**www.alcor.org**

ALCOR
LIFE EXTENSION FOUNDATION
SINCE 1972

# REGISTRATION FORM

## 6TH ALCOR CONFERENCE

**October 6-8, 2006 • Scottsdale, Arizona**

Name _____

Address _____

_____

City _____ State _____ ZIP _____

E-mail _____

Phone(s) _____

How I heard about the 6th Alcor Conference: _____

Include me on the public attendee list: ❑ Yes ❑ No

Vegetarian meals preferred: ❑ Yes ❑ No

**Payment Method:**

❑ Check (payable to Alcor Foundation) ❑ Credit Card (Visa, MasterCard, American Express)

Credit Card # _____ Expiration _____ *CVS # _____

* Visa and MasterCard: 3-digit number on back of card at end of the long string of numbers
American Express: 4-digit number on front of card above card number on right side

Name on Credit Card _____ Signature _____

(cut along dashed line)

**SEND COMPLETED FORM AND PAYMENT TO:**

**Meetings & Concierges Source • Attn: Alcor Registration**
**7375 East 6th Avenue, #9, Scottsdale, AZ 85251**
**Fax: 480-990-1889**

**ADA ACCOMMODATIONS:**

Persons with a disability may request a reasonable accommodation by contacting Connie Gutierrez of Meetings & Concierges Source LLC at 480-990-1887 or at connie@mcsource.net. Requests should be made by September 15 to allow time to arrange for the requested accommodation.

## REGISTRATION QUESTIONS?

**Contact Connie Gutierrez at 480-990-1887 or connie@mcsource.net**

**Visit www.alcor.org for full conference details.**

# DYNAMIC SPEAKERS



## Aubrey de Grey, Ph.D.
### *SENS: A Precursor to Cryonic Revival*

Dr. Aubrey de Grey is a biomedical gerontologist at the University of Cambridge, England. As the Editor of "Rejuvenation Research," the world's only peer-reviewed journal focused on intervention in aging, he is an advocate of research seeking answers to why and how molecular and cellular metabolic damage brings about aging and ways humans can intervene to repair and/or obviate that damage. He has developed a comprehensive plan, termed Strategies for Engineered Negligible Senescence (SENS), which breaks down the aging problem into seven major classes of damage and identifies detailed approaches to addressing each one. Dr. de Grey joins us to overview the SENS plan and highlight how his proposed aging interventions closely parallel the molecular and cellular repairs that will be required to revive a well-vitrified cryonics patient.



## Gregory M. Fahy, Ph.D.
### *Research Toward Whole Body Suspended Animation*

Dr. Gregory Fahy is the Chief Scientific Officer of 21st Century Medicine, where he directs the company's research activities devoted to solving the most difficult problems in the field of cryobiology. Since 1980, his major research focus has been the cryopreservation of organs by vitrification as a means of solving the problems created by ice formation during the cryopreservation process. Recent research on the vitrification of kidneys and other organs has led him to conclude that the recovery of isolated organs following vitrification, rewarming, and transplantation may be possible, and even that whole body suspended animation might eventually be possible. Cryopreserving the brain appears to be the largest obstacle to whole body suspended animation, but recent results with brain cryopreservation have been encouraging; and it appears that the brain can be vitrified within the intact body. Dr. Fahy will provide a unique and cutting edge look at the cryopreservation of complex systems.



## Robert A. Freitas Jr., J.D.
### *Nanomedicine and Medical Nanorobotics: The Path Forward*

Robert A. Freitas Jr., J.D., is the author of "Nanomedicine," an innovative book series exploring the potential medical applications of molecular nanotechnology and medical nanorobotics. Dr. Freitas is a Senior Research Fellow at the Institute for Molecular Manufacturing and previously worked as a Research Scientist at Zyvex Corporation, a nanotechnology company. Dr. Freitas believes the advent of medical nanorobotics in coming decades will create a revolution in medical treatment, giving doctors the ability to rapidly eliminate microbial infections and cancer, repair and recondition the human vascular tree, and replace chromosomes in individual cells thus reversing the effects of genetic disease and aging. To learn how far off we really are from building such devices, join us for one of the rare public appearances by Dr. Freitas.



## David Friedman, Ph.D.
### *If Life Were A Lot Longer: An Economist's View*

Dr. Friedman earned his undergraduate degree from Harvard University and holds a Ph.D. in Physics from the University of Chicago. Currently a professor of law at Santa Clara University, he was a college professor of economics for many years. Pondering what could become possible in our personal and professional lives if aging were defeated, Dr. Friedman asks provocative questions about the future of the family unit, a typical career path, and the economic outlook for society as a whole. Will forty-five years of work and then centuries of leisure become the norm? Will there be one family once or one every fifty years? Will we face mass unemployment, mass leisure or overpopulation? Sharing insights from his upcoming book, "Future Imperfect," Dr. Friedman navigates through the many potential consequences of an extended lifespan.



### J. Storrs Hall, Ph.D.
### *A Door into Summer*

What kind of science, technology, and society awaits those revived from cryopreservation? What kind of world has to exist for cryonics patients to be revived? J. Storrs Hall, an independent scientist and author of "Nanofuture: What's Next for Nanotechnology," examines some of the possibilities and implications. Dr. Hall was the founding Chief Scientist of Nanorex Inc., the leading provider of computational modeling tools made specifically for the design and analysis of nanosystems. He has an extensive research background, including AI, microprocessor design, and development of CAD software.



### Ralph Merkle, Ph.D.
### *Nanotechnology and Cryonics*

Dr. Ralph Merkle is a distinguished professor at the College of Computing at Georgia Institute of Technology and previous nanotechnology researcher and theorist at Xerox Palo Alto Research Center and Zyvex Corporation. Today, he is an undisputed expert and globally recognized for his work in nanotechnology, the technology that will be required for cryopreserved individuals to be revived. Dr. Merkle joins us to explain how molecular nanotechnology will revolutionize medicine by allowing us to build molecular medical tools able to directly address the fundamental cellular and molecular causes of disease. By immobilizing unhealthy tissue through cryopreservation, it is possible to limit the rapid deterioration resulting when damaged tissues are kept at normal temperatures. Molecular tools will literally be able to scan, analyze, and then repair tissue in situ, enabling restoration of well-cryopreserved tissue to good health. Find out where this exciting technology stands today and how it may be put to good use tomorrow.

**Visit www.alcor.org for a complete speaker list or to register online.**

# TENTATIVE SCHEDULE OF EVENTS

## FRIDAY, OCTOBER 6TH

**Registration** ..... **5:00 pm – 8:00 pm**

**Welcome Reception** ..... **7:00 pm – 10:00 pm**

**Welcome Address**

**Arizona Secretary of State Jan Brewer** .... **8:00 pm**

## SATURDAY, OCTOBER 7TH

**Registration** ..... **7:30 am – 12:00 pm**

**Continental Breakfast** ..... **8:00 am – 9:00 am**

**Speaker Presentations**..... **9:00 am – 12:30 pm**

**Luncheon**..... **12:30 pm – 2:00 pm**

**Speaker Presentations** ..... **2:00 pm – 5:30 pm**

**Dinner** ..... **7:00 pm – 9:00 pm**

## SUNDAY, OCTOBER 8TH

**Continental Breakfast** ..... **8:00 am – 9:00 am**

**Speaker Presentations**..... **9:00 am – 1:00 pm**

**Alcor tours & outdoor barbeque.. 2:30 pm – 7:30 pm**

**Registration includes conference materials and all of the above events and meals. Hotel reservations are paid for separately (see Accommodations).**

## CONFERENCE FEE:

**Register by:**

May 1 – August 1 ..... $295

August 2 – August 31 ..... $395

September 1 – October 6..... $495



**Scottsdale Marriott at McDowell Mountains**
16770 North Perimeter Drive, Scottsdale, Arizona 85260
800-288-6127 • 480-502-3836

# ACCOMMODATIONS

The Scottsdale Marriott overlooks the Tournament Player's Club Desert Golf Course (shown below). Complimentary shuttle service anywhere within a 5-mile radius takes you to nearby shopping, movie theaters, eateries and tours of the Alcor office. Take advantage of the onsite bar and grill, Starbucks Espresso bar, luxurious pool, jacuzzi, 24-hour fitness center and complimentary valet parking. Rooms have 24-hour internet access and room service until 11 pm. The 6th Alcor Conference will be held in the downstairs Valencia ballroom.

A block of rooms has been reserved at a special group rate of $169 per night (until 9/14/06). The Scottsdale Marriott is now taking reservations at 800-288-6127 or 480-502-3836. All reservations must be accompanied by a first night room deposit or guaranteed with a major credit card.

For more information on the Scottsdale Marriott at McDowell Mountains, please visit: www.scottsdalemarriott.com

## QUESTIONS ABOUT ALCOR MEMBERSHIP?

**Please contact Diane Cremeens**
**Membership Coordinator**
**Toll-free: 877-462-5267 x132**
**Email: diane@alcor.org**
**Or visit our website: www.alcor.org**
**to request your Free Information package**

# GETTING TO THE CONFERENCE

Sky Harbor International Airport, the largest airport in Arizona, is located in downtown Phoenix about 30-45 minutes from the Scottsdale Marriott, allowing convenient access to the greater Phoenix area.

### GETTING TO AND FROM THE AIRPORT

**Shuttle service:** Typical minimum charge is $22 per person, one way. To make reservations with Super Shuttle, visit www.supershuttle.com

**Taxi service:** Approximate one way fee is $60. Taxicabs are available outside the airport (go to north side of baggage claim).

**Town Car service:** Approximate one way fee is $60. Contact Transtyle Transportation Company at 800-410-5479 for reservations.

**Rental Car Discounts:**
National Car Rental/Alamo Rent-A-Car
The 6th Alcor Conference has negotiated special car rental rates. The rental car rates are guaranteed throughout the conference, subject to car availability. For information on car rental savings, please call 877-275-4771 ext. 1374, 1375, or 1285 and provide them with the ID number 5006960.

**Directions from Sky Harbor:** Exit airport East on Loop 202. Exit 202 North on Loop 101. Continue North on Loop 101 for approximately 15 miles. Exit on Princess Drive. Turn left on Princess Drive, then left on Perimeter Drive. The Scottsdale Marriott is at the end of Perimeter Drive on the right.

**Parking:** Parking is free at the hotel. They also have valet service complimentary to guests.



# ATTRACTIONS

Feel like staying an extra day or two? The Arizona desert scenery is ideal for golfing, horseback riding, desert hummer tours, hot air balloon rides and hiking or biking. Shop nearby at the Promenade Center or Kierland Commons or travel downtown to Old Town Scottsdale. Visits to the nearby Alcor Foundation are welcome. For the adventurous, the Grand Canyon is a 3-4 hour drive from Phoenix.