Introductory Seminar on Aging

1. Introduction to biomedical aspects of aging
   - S. Michal Jazwinski

2. Introduction to psychosocial aspects of aging
   - Paul J. Colombo

3. Models of aging
   - Art Lustig: Aging and senescence in yeast
   - Allan Kalueff: C. elegans and zebrafish models of aging
   - Victoria Belancio: Mammalian models of aging
   - Elizabeth Didier: Nonhuman primate models of aging
   - S. Michal Jazwinski: Genetics of human aging
   - S. Michal Jazwinski: Aging as a complex process
   - Paul Colombo: Rodent cognitive models of non-pathological aging

4. Human memory, language, and cognition
   - Harish Sujan: Intelligence, wisdom and creativity and age
   - Maryellen Romero: Aging and dementia: a psychosocial perspective
   - Edward Golob: Human cognition and aging
   - Molly Rothenberg: Creativity and aging
   - Barbara Jazwinski: Music, cognition and aging: theory
   - Barbara Jazwinski: Music, cognition and aging: application
   - Frederick W. Koenig: Age differences and time perception
   - Judith Maxwell: Aging and language
   - Harry Howard: Language acquisition

5. Aging issues across the lifespan
   - Susan Cooley: Intergenerational family dynamics and aging
   - Molly Rothenberg: Psychosexual and psychological developmental model of human beings throughout the life course
   - Lisa Molix: Intergroup relations across the lifespan
   - Tonnette Krousel-Wood: Psychosocial factors affecting adherence to therapy
6. Cellular senescence and aging of stem cells

- Victoria Belancio: Cell senescence
- Bruce Bunnell: Aging of stem cells
- Reza Izadpanah: Mesenchymal stem cell aging
- Radhika Pochampally: Senescence of stem cells
- Taby Ahsan: Stem cell sourcing and changes in stem cell niche
- Taby Ahsan: Stem cell interaction with an aged environment: implications for therapeutics

7. Genetic changes during aging

- Malwina Czarny-Ratajczak: Mutation accumulation and DNA repair during aging
- Prescott Deininger: Genome stability and aging
- Sangkyu Kim: Epigenetic changes and aging
- Victoria Belancio: Premature aging syndromes

8. Identity, group memberships, and aging

- David Shoemaker: Advance directives and personal identity
- Laurie O’Brien: Age identity
- Michele White: Disability and the elderly
- David Shoemaker: Alzheimer’s and autonomy
- Adeline Masquelier: Spirituality, culture, and aging

9. Social perceptions of aging

- Laurie O’Brien: Stereotypes of aging
- Frederick W. Koenig: Ageism and the media
- Lisa Molix: Age stigma
- Carole Daruna: Aging and the body (social perceptions)

10. Age-related dysfunction, disorders, and diseases of aging

- Zongbing You: Cancer and aging with emphasis on prostate cancer
- Maryellen Romero: Neurocognitive aging and dementia
- Zongbing You: Osteoarthritis and other cartilage changes during aging
- Monique Cola: Neuroanatomical changes during healthy and unhealthy aging
- Michael Miceli: Age-related macular degeneration and other vision disorders of aging
- Elizabeth Didier: Infection and immunity
- Marcelo Kuroda: Immunosenescence
- Allan Kalueff: Vitamin D and aging
- W. Lee Murfee: Angiogenesis and aging
- W. Lee Murfee: Influence of aging on angiogenesis based therapies
- Lydia Bazzano: Aging of the cardiovascular system
- Nick Makridakis: Aging and molecular mechanisms of cancer development
- Jeanette H. Magnus: Osteoporosis and aging bones
- Lydia Bazzano: Fetal origins of non-communicable diseases
- Mic Dancisak: Aging and changes in balance, posture and locomotion
- Mic Dancisak: Age-related changes in muscular strength
- Laura Schrader: Plasticity and channel differences in aging
- Jill Daniel: Neurobiology of learning and memory

11. Structural/institutional aging concerns

- Carole Haber: History of old age
- Heather Gillis: Social policy and aging
- Mark Vail: Pensions, welfare state
- Natalia Zhivan: Socio-economic status of the elderly
- Natalia Zhivan: Relationship between economic status and health
- Lizheng Shi: Health policies related to aging in America
- Edward Sherman: Elder law

12. End of life issues in aging

- Jamey Boudreaux: Aging and end of life issues
- Dominique Anwar: Palliative care and end of life issues
- Dianne Boazman and Betty Landreaux: Care management models for elderly