Inflammation, Aging and Chronic Disease Conference

Agenda

DAY 1. Monday, November 27

8:00am Arrive at Li Ka Shing Center (LKSC) – Berg Hall room “C” (2nd floor)
291 Campus Drive, Stanford, CA 94305

8:00-9:00am Registration & Breakfast

9:00am Welcome Address – Mark M. Davis

Session I. Longitudinal Studies of Aging (chair: Alberto Mantovani)

9:15am Luigi Ferrucci The mild proinflammatory state of aging: what we know and what we would like to know
9:50am Claudio Franceschi Inflammaging, anti-inflammaging and garbaging: what we learned from centenarians
10:25am Shai Shen-Orr High resolution longitudinal immune profiling reveals immunosenescence dynamics and attractor states

11:00-11:15am Coffee Break

Session II. Inflammation and Chronic Disease (chair: Justin Sonnenburg)

11:15am Alberto Mantovani The Yin and Yang of macrophages in chronic smoldering inflammation, tissue repair and cancer
11:50am David Furman Inflammation in hypertension and pathological tissue remodeling
12:25pm Andrew Miller Inflammation and depression: mechanisms, mediators and therapeutic implications

1:00-2:00pm Lunch Break

Session II. Inflammation and Chronic Disease (cont’d)

2:00pm Alessio Fasano How nutrition, gut microbiome, and intestinal permeability can impact inflammatory processes and aging
2:35pm George Slavich Inflammatory reactivity to social stress: underlying mechanisms and relevance for disease

3:10-3:30pm Coffee Break

Session III. Environment and immune modulation (chair: Eric Verdin)

3:30pm Gary Miller The Exposome: environmental factors driving inflammation and neurodegeneration
4:05pm Nicole Kleinstreuer Translational Systems Toxicology: chemical-disease interactions
4:40pm  Justin Sonnenburg  Could a deteriorated gut microbiome be the primary driver of Western diseases?

5:15-5:30pm  Eric Verdin  Remarks

6:00-8:00pm  Reception and Poster Session

DAY 2. Tuesday, November 28

7:45am  Arrive at Li Ka Shing Center (LKSC) – Berg Hall room “C” (2nd floor)
        291 Campus Drive, Stanford, CA 94305

7:45-8:15am  Breakfast

Session IV. Mechanisms of biological aging (chair: Mark M Davis)

8:15am  Vishwa Dixit  Immunometabolic regulation of healthspan
8:50am  Anne Brunet  Epigenetics of aging
9:25am  Nir Barzilai  How to die young at a very old age

10:00-10:10am Coffee Break

10:10am  Thomas Rando  Age-related decline in stem cell function
10:45am  Judith Campisi  Cellular senescence links inflammation and chronic diseases of aging
11:20am  Derek Gilroy  Defective resolution of acute inflammation in elderly volunteers

11:55-12:45pm Lunch Break

Session IV. Mechanisms of biological aging (cont’d) (chair: Claudio Franceschi)

12:45pm  Eric Verdin  NAD+ metabolism in macrophage and aging
1:20pm  Mark M Davis  Evaluating the T cell response repertoire in aging
1:55PM  Scott Boyd  Effects of aging on B cell repertoires and vaccine responses

2:30-2:45pm Coffee Break

2:45pm  Jorg Goronzy  Epigenetics of T-cell aging
3:20pm  Cornelia Weyand  Metabolic and telomeric control of pro-inflammatory T cells
3:55pm  Rita Effros  Telomere/telomerase dynamics in T cells: linking HIV disease and aging

4:30-5:00pm  Discussion, Closing Remarks and Departures