Workshop on Evolutionary Demography

6-8 June 2012

Max Planck Institute for Demographic Research, Rostock, Germany

Rooms: Johann Peter Süssmilch Auditorium (057) and Cafeteria (053)

Schedule

Wednesday, June 6

15:50

Break

09:00 Announcements & Welcome by James Vaupel

Sessio	n Chair: James Vaupel
09:10	Susan Alberts
	Reproductive cessation patterns in primates reveal that humans are distinct
09:50	Rudi Westendorp
	Survival under adverse conditions in contemporary Africa
10:30	Ruth Mace
	Reproductive competition between females in Gambian families
10:50	Break
Session	n Chair: Roberto Salguero-Gomez
0000101	Totali. Nobolto Galgadio Gallioz
11:10	Yngvild Vindenes
11.10	Effects of temperature on evolutionary demography of pike (Esox lucius)
11:30	Yvonne Buckley
	Increased population growth rate in invasive polyploid Centaurea stoebe provides
	evidence for rapid evolution
11:50	Eelke Jongejans
	Phenotypic plasticity and rapid evolution in plant population models
12:10	Dylan Childs
	The evolutionary demography of lay date in the Wytham Great tit
12:30	Fanie Pelletier
	Population growth and fluctuating opportunities for selection on phenotypic
	characters
12:50	Lunch
12.00	
Sessio	n Chair: Daniel Levitis
14:30	Hal Caswell
	A model for the grandmother effect
15:10	Elisabeth Archie
	Social connectedness and longevity in wild baboons
15:30	Jacob Moorad
	Contextual analysis as a method for measuring socially derived sources of natural
	selection for longevity

Joint modeling of reproduction and size in Plantago: do we need to consider history? 5:50 Ulrich Steiner Life histories and variance of individual fitness components in Plantago lanceolatum: genetics, environments and stochasticity 7:10 Roberto Salguero-Gomez Old and new axes of plant demography Mark Rees Growth: an evolutionary perspective 7:50 Walk to the restaurant 3:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 3:20 Discussion 8:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 7:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 8:10 Break 8:ession Chair: Fernando Colchero 1:30 Annette Baudisch Annette Baudisch The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
Joint modeling of reproduction and size in Plantago: do we need to consider history? 6:50 Urich Steiner Life histories and variance of individual fitness components in Plantago lanceolatum: genetics, environments and stochasticity 7:10 Roberto Salguero-Gomez Old and new axes of plant demography Mark Rees Growth: an evolutionary perspective 7:50 Walk to the restaurant 8:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	Session	Chair: Alexander Scheuerlein
Joint modeling of reproduction and size in Plantago: do we need to consider history? 16:50 Ulrich Steiner Life histories and variance of individual fitness components in Plantago lanceolatum: genetics, environments and stochasticity 17:10 Roberto Salguero-Gomez Old and new axes of plant demography Mark Rees Growth: an evolutionary perspective 17:50 Walk to the restaurant 18:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 19:20 Discussion hursday, June 7 19:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 19:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 10:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	6:10	Dehorah Roach
history? Ulrich Steiner Life histories and variance of individual fitness components in Plantago lanceolatum: genetics, environments and stochasticity Roberto Salguero-Gomez Old and new axes of plant demography Mark Rees Growth: an evolutionary perspective 17:50 Walk to the restaurant 18:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 19:20 Discussion hursday, June 7 19:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 19:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	0.10	
Ulrich Steiner Life histories and variance of individual fitness components in Plantago lanceolatum: genetics, environments and stochasticity Roberto Salguero-Gomez Old and new axes of plant demography Mark Rees Growth: an evolutionary perspective Risto Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 Risto Discussion Mursday, June 7 Rosesion Chair: Annette Baudisch Session Chair: Annette Baudisch Diff Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing Risto Annette Baudisch The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Marten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
lanceolatum: genetics, environments and stochasticity Roberto Salguero-Gomez Old and new axes of plant demography 7:30 Mark Rees Growth: an evolutionary perspective 7:50 Walk to the restaurant 8:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 99:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 99:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	6:50	
7:10 Roberto Salguero-Gomez Old and new axes of plant demography Mark Rees Growth: an evolutionary perspective 7:50 Walk to the restaurant 8:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 99:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		Life histories and variance of individual fitness components in Plantago
Old and new axes of plant demography Mark Rees Growth: an evolutionary perspective 7:50 Walk to the restaurant 8:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion nursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
7:30 Mark Rees Growth: an evolutionary perspective 7:50 Walk to the restaurant 8:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion nursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	7:10	
Growth: an evolutionary perspective 7:50 Walk to the restaurant 8:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	7.20	· · · · · · · · · · · · · · · · · · ·
7:50 Walk to the restaurant 8:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	7:30	
B:10 Dinner Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66 9:20 Discussion hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 70:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	7:50	Walk to the restaurant
hursday, June 7 9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 70:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	8:10	
hursday, June 7 D9:00 Announcements & Welcome by Annette Baudisch Session Chair: Annette Baudisch D9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging 11:50 Thomas Wrycza Measuring the Pace and Shape of Aging 12:10 Maarten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		Lenk's Restaurant, Warnowufer 59, 18057 Rostock, Tel. 0381 - 25 26 65 66
Session Chair: Annette Baudisch D9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging 11:50 Thomas Wrycza Measuring the Pace and Shape of Aging 12:10 Maarten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	9:20	Discussion
9:00 Announcements & Welcome by Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
9:00 Announcements & Welcome by Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	hursd	av. June 7
Session Chair: Annette Baudisch 9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 7 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
9:10 Shripad Tuljapurkar Phenotypic Variability and life History Evolution 9:50 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation 0:30 Tom Kirkwood Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	9:00	Announcements & Welcome by Annette Baudisch
Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging 11:50 Thomas Wrycza Measuring the Pace and Shape of Aging 12:10 Maarten Wensink Senesce to live long 12:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	Sessior	Chair: Annette Baudisch
Phenotypic Variability and life History Evolution Ulf Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging 11:50 Thomas Wrycza Measuring the Pace and Shape of Aging 12:10 Maarten Wensink Senesce to live long 12:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	9.10	Shrinad Tulianurkar
10:30 Ulf Dieckmann Modern life-history theory and the crucial role of density regulation Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging 11:50 Thomas Wrycza Measuring the Pace and Shape of Aging 12:10 Maarten Wensink Senesce to live long 12:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	70.10	
Tom Kirkwood Connecting ultimate and proximate causes of ageing 11:10 Break Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging 11:50 Thomas Wrycza Measuring the Pace and Shape of Aging 12:10 Maarten Wensink Senesce to live long 12:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	9:50	
Connecting ultimate and proximate causes of ageing 1:10 Break Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
Session Chair: Fernando Colchero 11:30 Annette Baudisch The pace and shape of aging 11:50 Thomas Wrycza Measuring the Pace and Shape of Aging 12:10 Maarten Wensink Senesce to live long 12:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	0:30	
Session Chair: Fernando Colchero 1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		Connecting ultimate and proximate causes of ageing
1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	1:10	Break
1:30 Annette Baudisch The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	Session	Chair: Fernando Colchero
The pace and shape of aging 1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
1:50 Thomas Wrycza Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		
Measuring the Pace and Shape of Aging 2:10 Maarten Wensink Senesce to live long 2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	1:30	
Maarten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		The pace and shape of aging
Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits		The pace and shape of aging Thomas Wrycza
2:30 Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits	1:50	The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging
Mutation accumulation may be a minor force in shaping life history traits	1:50	The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink
2:50 Lunch	1:50 2:10	The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long
	1:50 2:10	The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long Jan Kozlowski
	1:50 2:10	The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long Jan Kozlowski
	1:50 2:10 2:30	The pace and shape of aging Thomas Wrycza Measuring the Pace and Shape of Aging Maarten Wensink Senesce to live long Jan Kozlowski Mutation accumulation may be a minor force in shaping life history traits

Alan Cohen
Why physiology matters in evolutionary demography

14:10

14:30

Alexander ScheuerleinThe Varieties of Aging: Mortality and Fertility schedules across the Tree of Life

14:50 Jenny Tung Gene regulation and aging across the life course; exploring the mechanistic underpinnings of social and life history effects on health and physiology 15:10 **Owen Jones** Phylogeny in life history 15:30 Jean-Michel Gaillard What factors shape actuarial senescence in captive populations of large mammalian herbivores? 15:50 **Break** Session Chair: Owen Jones 16:10 **James Carey** Evolutionary demography of the Mediterranean fruit fly from six world regions 16:50 Fernando Colchero Bayes in life history analysis 17:10 Maren Rebke A hierarchical Bayesian model of the steps leading to reproduction 17:30 Dalia Conde-Ovando Conservation Demography 17:50 Poster Session 18:30 Walk to the shipping pier 19:00 Dinner on the river Warnow (***drinks to be paid privately***) Friday, June 7 09:00 Announcements Session Chair: Owen Jones 09:10 **Daniel Levitis** Ontogenescence: What is it, who does it, why doesn't selection eliminate it, and how to investigate it? 09:30 Jessica Metcalf Ignoring the microbe in the room: infectious diseases and the evolution of demographic age trajectories 09:50 Samuel Payard Are old ages useless with respect to selection? A reconsideration of the common variants/common diseases hypothesis 10:10 Steven Stearns Oncogenes and the costs of reproduction in the Framingham Heart Study population 10:30 Virpi Lummaa Sexual conflict over post-reproductive lifespan in humans 10:50 **Break** Session Chair: Daniel Levitis

11:10 **James Vaupel**The Rates of Aging

11:50

Trifon Missov

Intelligations of Montality Distance in Fixed Facility Day

Implications of Mortality Plateaus in Fixed-Frailty Proportional Hazards Framework

12:10	The Rate of Aging in Smokers
12:30	Oskar Burger Seventy-six is the new thirty: A comparative baseline for evolutionary biodemography
12:50	Lunch
Session	Chair: Oskar Burger
14:10	Ken Haste Andersen Why do individuals have a digestive overcapacity?
14:50	Who Seung Lee The impacts of early growth trajectory on reproduction and lifespan
15:10	Timothy Gage Heterogeneity Identified at Birth, and Cardiovascular Risk at 45
15:30	Raziel Davison Contributions of covariance: decomposing the components of stochastic population growth
16:10	Break
Session	Chair: Alexander Scheuerlein
16:30	Anne Pringle Life and Death in a Petersham Cemetery: The Demography of Potentially Immortal Organisms
17:10	Ralf Schaible Hydra - life in the absence of senescence
17:30	Maciej Danko What makes Hydra immortal? A theoretical approach
17:50	Final remarks by James Vaupel and others
20:00	Open (board meeting)