

THURSDAY, JUNE 2

13:00 Begin registration

15:00 Welcome & Session I

Session Chair: Kathrin Reichwald

15:05

Martin Reichard

Seasonal dynamics in replicated wild *N. furzeri* populations: report on ongoing field-based project

15:30

David Willemssen

Deciphering the molecular signature of natural selection in wild population of the short-lived African Turquoise Killifish

15:55

Arnout Grégoir

Natural stress and life history plasticity in *Nothobranchius*

16:20 Break

16:40 Session II

Session Chair: Christoph Englert

Radim Blazek

Intra-specific variation in ageing and its life history consequences in African annual *Nothobranchius* killifish: an experimental study

17:05

Mickie L. Powell

The impact of restricting a formulated diet on growth, reproduction, and survival in *Nothobranchius furzeri*

17:30

Charlotte Philippe

A new model species for long-term toxicity testing: Acute and chronic sensitivity of *Nothobranchius furzeri* to copper and cadmium

18:00 KEYNOTE LECTURE I

JOHN POSTLETHWAIT

Linking fish genomes to human biology

20:00 Symposium Dinner

Restaurant “Zum Landgrafen”

Landgrafenstieg 25, 07743 Jena

FRIDAY, JUNE 3

09:00 Session III

Session Chair: Matthias Platzer

Daniel N. Murphy

***Danio rerio* as the exemplar of fish genome annotation in Ensembl**

09:25

Param Priya Singh

Genetic architecture and evolution of lifespan in the short-lived African Turquoise killifish *Nothobranchius furzeri*

09:50

Philipp Koch

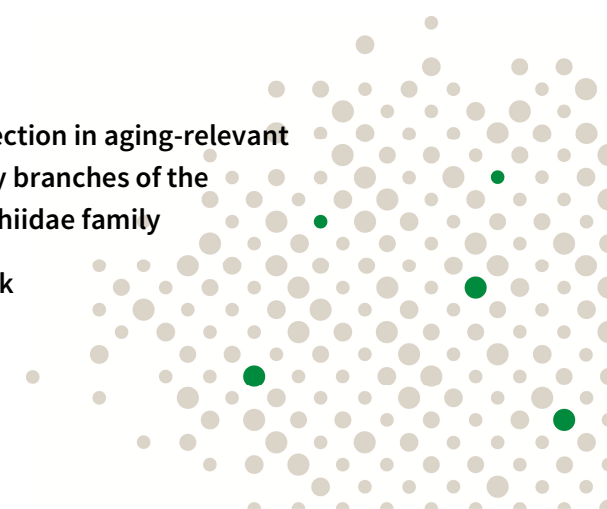
Evaluating and Improving the *N. furzeri* Genome Assembly by Integrating RAD-Map and PacBio Data

10:15

Arne Sahm

Positive selection in aging-relevant evolutionary branches of the *Nothobranchiidae* family

10:40 Break



11:00 Session IV

Session Chair: Dario Valenzano

Luca Dolfi

**Cell dynamics during killifish embryos
development and diapause explored by
FUCCI**

11:25

Peter Singer

**Characterization of tert and p53 mutants in
*Nothobranchius furzeri***

11:50

Roberto Ripa

**MicroRNA mir-29 controls a compensatory
response to limit neuronal iron accumulation
during adult life and aging**

12:15 Lunch

14:00 Poster Session & Snacks

15:30 Session V

Session Chair: Alessandro Cellerino

Kathrin Reichwald

**Mitochondria of short- and long-lived *N.
furzeri* strains show tissue- and strain-
specific aging**

15:55

Oliver Pusch

**Histone deacetylase 1 expression is inversely
correlated with age in the short-lived fish
*Nothobranchius furzeri***

16:20

Marion Coolen

**Characterization of neural progenitors
during telencephalic growth in
*Nothobranchius furzeri***

16:45

Miguel Moyano Téllez

**Aging and hematopoiesis in Turquoise
Killifish**

17:10 Session VI – Notho Community Issues

18:00 end

SATURDAY, JUNE 4

09:00 Session VII

Session Chair: Martin Reichard

Dario R. Valenzano

**Changes in the intestinal microbiota affect
aging in the short-lived African turquoise
killifish**

09:25

Alejandro Lucas-Sánchez

**Effects of shift-work cycles induced by light
and a test for life-expectancy prediction in
*Nothobranchius furzeri***

09:50

Alessandro Cellerino

**Age-dependent effects of complex I
inhibition in *N. furzeri* and the role of
complex I in the regulation of vertebrate
lifespan**

10:15 Break

10:45 KEYNOTE LECTURE II

Axel Meyer

**Genomics of parallel evolution and
speciation during repeated adaptive
radiations in cichlid fishes**

11:45 Concluding Remarks & Farewell

12:00 Lunch bags & Departure

