

The Department for „Molecular Genetics of Ageing“
headed by director Prof. Dr. Adam Antebi
is looking for full time

Postdoctoral Research Fellows (m/f)
(job code 18-2019)

The Antebi Department for “Molecular Genetics of Ageing” investigates how regulatory networks govern animal health and life span. We primarily use the roundworm *Caenorhabditis elegans* and the turquoise killifish *Notobranchius furzeri* as model organisms, but also use cell culture and mouse. The overarching goals are to reveal conserved, convergent mechanisms of longevity, and to understand how immunity, metabolism, and quality control mechanisms cooperate in cellular defense. We apply a multidisciplinary approach combining genetics, systems biology, cell and molecular biology, imaging, biochemistry and mass spectrometry in order to understand the biology of ageing and age-related disease.

We seek a highly motivated, ambitious, and talented scientist to join an enthusiastic and collaborative team in an outstanding scientific environment.

Qualifications

The successful applicant will hold a Ph.D. in a relevant research area such as molecular biology, genetics, or biochemistry and has a strong track record of accomplishment. Prior experience with model organisms (yeast, worm, fly, mouse) would be welcome, but are not required. The applicant should have a keen interest in the biology of ageing, and excellent written and oral communication skills. The working language is English; knowledge of the German language is not required.

Research Environment

The Max Planck Institute for Biology of Ageing (MPI-AGE), Cologne, was founded in 2008 with the aim to understand fundamental mechanisms of healthy ageing in various model systems. The institute is part of a broad network of research institutions in the Cologne-Bonn area dedicated to research on ageing and age-related disease, constituting a vibrant and collaborative environment with state of the art facilities for research. Currently we host >270 employees from >30 different nations.

The employment contract will be based on contracts for the civil service (TVöD-Bund, Tarifvertrag für den öffentlichen Dienst) and will initially be time limited. The Max Planck Society is committed to employ more disabled individuals and especially encourages them to apply. We also seek to increase the number of women in those areas where they are underrepresented and particularly encourage them to apply.

Are you interested?

Then please upload your complete application documents, containing a one-page letter with a personal statement describing your scientific accomplishments and your interests in our laboratory, your CV and bibliography, as well as contact information for 3 references, in electronic form as one single pdf-file via our online application platform. The deadline for applications is September 30th, 2019.

<https://www.age.mpg.de/career-education/open-positions/>

Informal inquiries are welcome and should be sent to recruitment-AA@age.mpg.de. For further information about the Institute and the Antebi department please see www.age.mpg.de.

Please do consult recent publications from the Antebi department for more information on our scientific projects:

- Tiku, V., Kew, C., Mehrotra, P., Ganesan, R., Robinson, N., and Antebi, A. (2018) Nucleolar fibrillarin is a evolutionarily conserved regulator of bacterial pathogen resistance. *Nat. Commun* 9: 3607.
- Tiku, V., Jain, C., Raz, Y., Nakamura, S., Heestand, B., Liu, W., Späth, M., Suchiman, H., Eka, D., Müller, R.U., Slagboom, P.E., Partridge, L., and Antebi, A. (2017) Small nucleoli are a cellular hallmark of longevity. *Nat Commun* 8: 16083.
- Nakamura, S., Karalay, Ö., Jäger, P.S., Horikawa, M., Klein, C., Nakamura, K., Lanza, C., Templer, S.E., Dieterich, C., and Antebi, A. (2016) Mondo complexes regulate TFEB via TOR inhibition to promote longevity in response to gonadal signals. *Nat Commun* 7:10944.
- Denzel, M.S., Storm, N.J., Gutschmidt, A., Baddi, R., Hinze, Y., Jarosch, E., Sommer, T., Hoppe, T., and Antebi, A. (2014). Hexosamine pathway metabolites enhance protein quality control and prolong life. *Cell* 156, 1167-1178.
- Horn, M., Geisen, C., Cermak, L., Becker, B., Nakamura, S., Klein, C., Pagano, M., and Antebi, A. (2014). DRE-1/FBXO11-dependent degradation of BLMP-1/BLIMP-1 governs *C. elegans* developmental timing and maturation. *Developmental Cell* 28, 697-710.