

Trends in Parasitology

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Spotlight

- 381 **Commitment Isn't for Everyone** *Gabrielle A. Josling and Manuel Llinás*

Forum

- 383 **Increasing Complexity Threatens the Elimination of Extra-Amazonian Malaria in Brazil** *Laura C. Multini, Mauro T. Marrelli, John C. Beier, and André B.B. Wilke*

Opinions

- 388 **Novel Approaches to Control Malaria in Forested Areas of Southeast Asia** *Lorenz von Seidlein, Thomas J. Peto, Rupam Tripura, Christopher Pell, Shunmay Yeung, Jean Marie Kindermans, Arjen Dondorp, and Richard Maude*

- 399 **The Coevolution Effect as a Driver of Spillover** *Sarah Zohdy, Tonia S. Schwartz, and Jamie R. Oaks*

Reviews

- 409 **CRISPR in Parasitology: Not Exactly Cut and Dried!** *Jessica M. Bryant, Sebastian Baumgarten, Lucy Glover, Sebastian Hutchinson, and Najma Rachidi*

- 423 **CD4⁺ T Cell-Mediated Immunity against the Phagosomal Pathogen *Leishmania*: Implications for Vaccination** *Leah S. Hohman and Nathan C. Peters*

- 436 **Host Specificity of *Enterocytozoon bieneusi* and Public Health Implications** *Wei Li, Yaoyu Feng, and Monica Santin*

- 452 **Host Specificity in Variable Environments** *Konstans Wells and Nicholas J. Clark*

- 466 **Host Age Effects in Invertebrates: Epidemiological, Ecological, and Evolutionary Implications** *Frida Ben-Ami*

Parasite of the Month

- 481 ***Plasmodium falciparum*** *Alexander G. Maier, Kai Matuschewski, Meng Zhang, and Melanie Rug*



On The Cover: The image shows individuals of the water flea *Daphnia magna* from three age groups: juvenile (5-day-old), recently matured (15-day-old) and adult (30-day-old). Studies have shown that juvenile *Daphnia* are more susceptible to infection by the bacterial parasite *Pasteuria ramosa* than adults, and that when hosts were exposed to two parasite strains together, young *Daphnia* allowed coexistence and transmission of both parasite strains, whereas in older individuals competitive exclusion was observed. In this issue of *Trends in Parasitology*, Frida Ben-Ami discusses epidemiological, ecological and evolutionary aspects of host age effects in invertebrates and contrasts them with known age-related phenomena in humans and other vertebrates. Cover image created by Jonatan Reberger.

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Trends in Parasitology
Cell Press
50 Hampshire St. 5th Floor
Cambridge, MA 02139, USA
Tel: 617 397 2800
E-mail: parasites@cell.com

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