A fishy issue...

The zebrafish is a popular aquatic lab animal option. *Danio rerio* has a number of conserved similarities with mammals, including humans, and there are many well-established experimental techniques for working with this quick growing and small model organism.

This October, zebrafish are swimming through several of our pages. Rosie Bunton-Stasyshyn, Sara Wells, and Lydia Teboul from the Mary Lyon Centre walk us through the issue of genetic compensation in knock-out vs. knock-in laboratory animals, explaining recent zebrafish results in the context of mammalian models and human genetics. Serge Mostowy and colleagues recap the 3rd Zebrafish Infection and Immunity meeting that took place earlier this year, detailing recent work with zebrafish models from members of the community. Finally, Katarzyna Koltowska from Uppsala University in Sweden presents a News & Views on a recent Nature Medicine paper that deploys zebrafish in a personalized medicine capacity.

See pages 282, 284, and 305

Keeping livestock 'clean'

Back on dry land, our feature article this month considers extra containment for some of the larger lab animals out there. Those working with gnotobiotic and immunodeficient pigs must take extra precautions to keep the outside from getting in, while livestock used in infectious disease research much be contained to keep the agents being studied from getting out.

Read more about life in such facilities for the animals and their people and the research questions the extra effort facilitates.

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