



Radboud Research Rounds

Intracellular iron and heme trafficking in developing red cells

Date: Thursday 29 June
Location: Tuinzaal, route 706



16:00 Barry Paw, MD, PhD
Harvard Medical School, USA
17:00 College tour
17:30 Research café

Dr. Paw's research is focused on using zebrafish and mammalian genetics to understand erythroid development. In particular, his group is interested in factors that are critical in differentiation to erythroid lineage, in particular those involved in intracellular trafficking of iron and heme.

Key publications:

- Mitoferrin is essential for erythroid iron assimilation. *Nature*; 2006
- Snx3 regulates recycling of the transferrin receptor and iron assimilation. *Cell Metab.*; 2013
- Clpx activates a key enzyme for heme biosynthesis and erythropoiesis. *Cell*; 2015
- Restored iron transport by a small molecule promotes absorption and hemoglobinization in animals. *Science*; 2017

These lectures are intended for students, post-docs and staff interested in latest fundamental and clinical research strategies within a particular theme. Registration is not required. The seminar has an ABAN accreditation. This Radboud Research Round is organized by the theme Mitochondrial diseases.

Next Radboud Research Round: 31 August is organized by the theme *Renal disorders*.