

## Virtual DANDRITE Seminar

**Thursday 1 October 2020**  
**12.00 – 13.00**

**Online via Zoom**

Please find Zoom link via the Outlook calendar invitation. If you have not received this, please write an e-mail to Kathrine: [kh@dandrite.au.dk](mailto:kh@dandrite.au.dk)



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### **Aquaporin4 and Hydrodynamic Pathology of the Brain**

The brain is a water-rich tissue, and its neuronal activities involve active water movement. It has been suggested that the hydrodynamic system is responsible for waste clearance in brain. Waste clearance system of the brain is spotlighted recently, due to the progress of live imaging techniques, along with the discovery of water channel aquaporin4 (AQP4) which is abundant in astrocyte in brain. I would review the rule of AQP4 in water dynamics in brain, and provide some recent advance for the research.