



Cover: Collection of images highlighting the breadth of topics, techniques and model systems being showcased in this special issue on solute transport and acid–base regulation. Images courtesy of (clockwise from top left): Paul Linser; Winnie Shum; Jiun-Lin Horng, Li-Yih Lin and Pung-Pung Hwang; Daniel Hilger, Yevhen Polyhach, Etana Padan, Heinrich Jung and Gunnar Jeschke (reproduced with permission from *Biophys. J.* **93**, 3675–3683); R. Todd Alexander and Sergio Grinstein; Winnie Shum; Dennis Brown, Teodor Paunescu, Sylvie Breton and Vladimir Marshansky; Max Schwanitz (centre image).

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