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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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