Supporting Information: Synthesis of metal–organic framework functionalized macroscopic flow-through precipitate tubes

Edina Balog, Kinga Bene, and Gábor Schuszter*

Department of Physical Chemistry and Materials Science, University of Szeged, Rerrich Béla tér 1., Szeged, H-6720, Hungary

E-mail: schuszti@chem.u-szeged.hu

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S1 Density of reactant solutions

Table S1: The density (ρ) of the applied solutions, which determines the location and direction of solution exchanges. *2-MeIm solution contains 0.1 M NaOH as well.

Solutions		c / M		ρ / g cm^{-3}
$CoCl_2$		0.50		1.056
$ZnCl_2$		0.05		1.003
		0.50		1.055
$C_4H_6N_2$ (2-methylimidazole)		1.00		1.002
$C_4H_6N_2$	NaOH*	1.00	0.10	1.010
		0.50	0.10	1.007
Na_2SiO_3		0.75		1.236

S2 Experimental setup

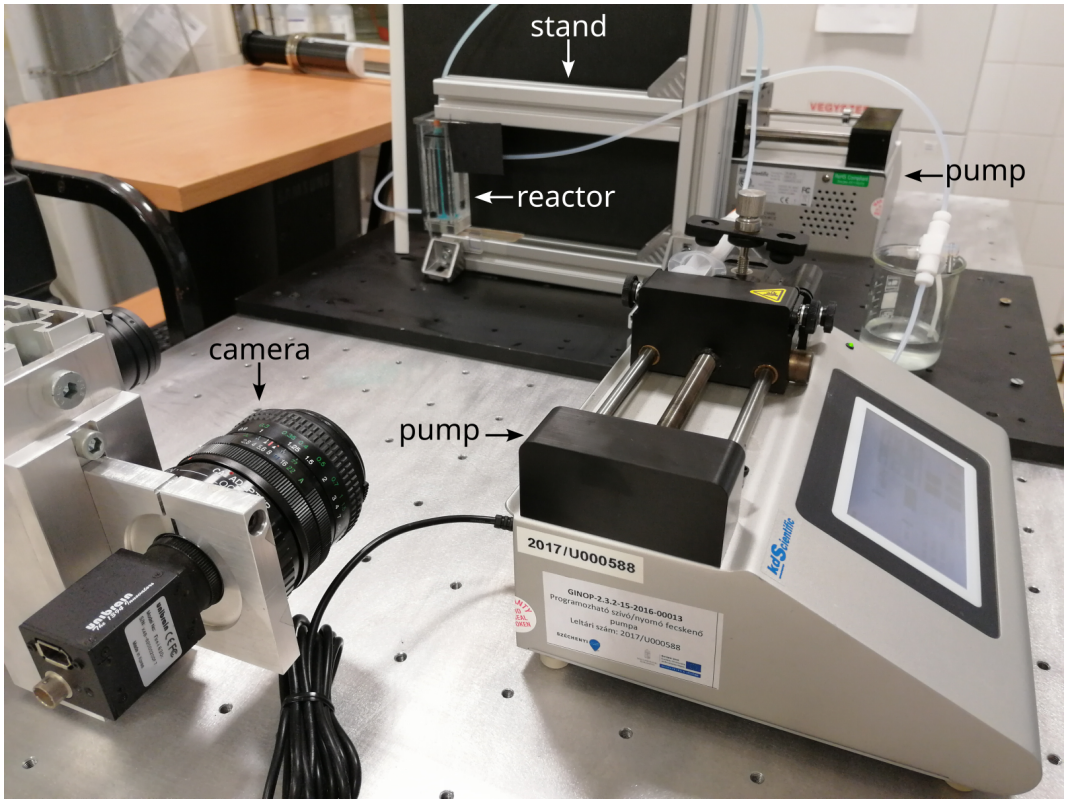

Figure S1: Image of the experimental setup. A blue color flow-through precipitate tube is also shown inside the reactor.

S3 Production of functionalized flow-through precipitate tubes

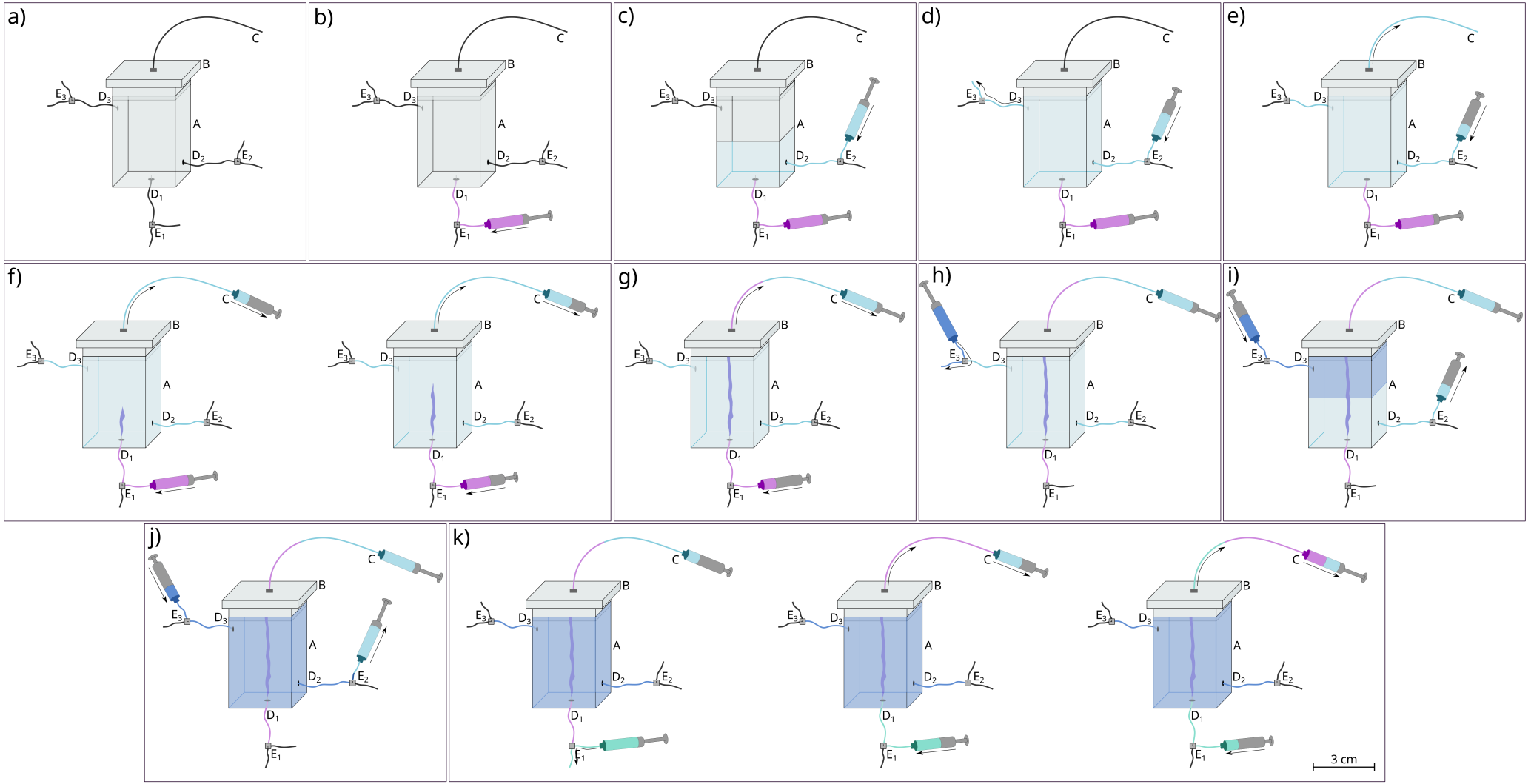

Figure S2: Process diagram of the production of precipitate tubes and their functionalization by solution exchanges. See the text for step-by-step explanation.

S4 Confirmation of successful solution exchange

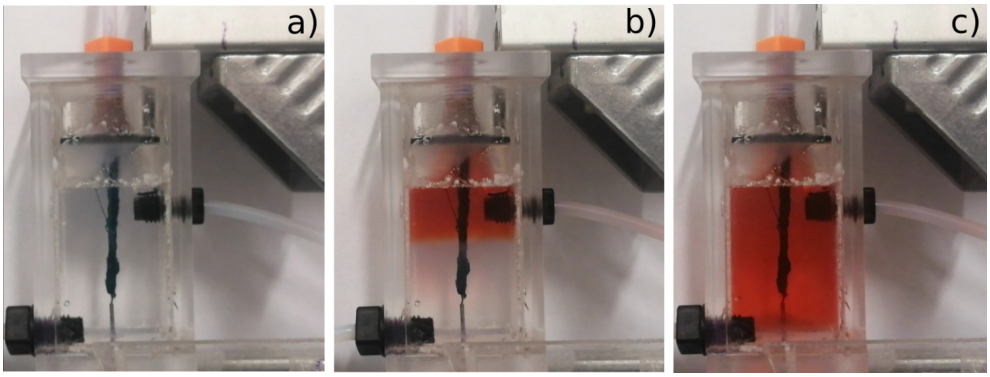

Figure S3: The series of images showing a successful solution exchange: **a)** before, **b)** during, and **c)** after the solution exchange.