

NAME, QUALIFICATIONS AND CONTACT DETAILS

Jeremie Poschmann, PhD

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EDUCATION AND EMPLOYMENT

04/17 to Pres CRTI, INSERM1064, Université de Nantes (France). Position: Researcher
08/15 to 04/17 University of Exeter, Sequencing Facility (UK). Position: Research Fellow
10/10 to 07/15 Genome Institute Singapore. Training: Postdoctoral Fellow (Mentor Shyam Prabhakar)
01/06 to 07/10 Université de Montréal. (Canada): Training: PhD (Mentor Dindial Ramotar)

ACTIVITIES, TEACHING AND TRAINING

Managed monthly functional genomics seminar series at the University of Exeter
Organisation of a qPCR workshop at the University of Exeter
Genetics lecturer at PSB Academy, Department of School of Life & Physical Sciences
Training of over 20 students and supervision of three research officers
Judge at the Singapore Science and Engineering Fair
Organization of regular scientific presentations within GIS

PATENTS

Amplification paralleled library enrichment, Jeremie Poschmann* and Akshay Bhinge*, Singapore (2013) WO2015050501 A1

PUBLICATIONS

(* equal contribution)

1. **Histone Acetylome-wide Association Study of Autism Spectrum Disorder.**

Sun W*, Poschmann J*, Cruz-Herrera Del Rosario R, Parikshak NN, Hajan HS, Kumar V, Ramasamy R, Belgard TG, Elanggovan B, Wong CC, Mill J, Geschwind DH, Prabhakar S.
Cell. 2016 Nov 17;167(5):1385-1397.e11. doi: 10.1016/j.cell.2016.10.031

2. **Comprehensive benchmarking reveals H2BK20 acetylation as a distinctive signature of cell-state-specific enhancers and promoters.**

Kumar V, Rayan NA, Muratani M, Lim S, Elanggovan B, Xin L, Lu T, Makhija H, Poschmann J, Lufkin T, Ng HH, Prabhakar S.
Genome Res. 2016 May;26(5):612-23. doi: 10.1101/gr.201038.115.

3. **The transcription factor SOX6 contributes to the developmental origins of obesity by promoting adipogenesis.**

Leow SC, Poschmann J, Too PG, Yin J, Joseph R, McFarlane C, Dogra S, Shabbir A, Ingham PW, Prabhakar S, Leow MK, Lee YS, Ng KL, Chong YS, Gluckman PD, Stünkel W.
Development. 2016 Mar 15;143(6):950-61. doi: 10.1242/dev.131573.

4. **Pitfalls of haplotype phasing from amplicon-based long-read sequencing.**

Laver TW, Caswell RC, Moore KA, Poschmann J, Johnson MB, Owens MM, Ellard S, Paszkiewicz KH, Weedon MN. Sci Rep. 2016 Feb 17;6:21746. doi: 10.1038/srep21746

5. **The PsychENCODE project.**

PsychENCODE Consortium, Akbarian S, Liu C, Knowles JA, Vaccarino FM, Farnham PJ, Crawford GE, Jaffe AE, Pinto D, Dracheva S, Geschwind DH, Mill J, Nairn AC, Abyzov A, Pochareddy S, Prabhakar S, Weissman S, Sullivan PF, State MW, Weng Z, Peters MA, White KP, Gerstein MB, Amiri A, Armoskus C, Ashley-Koch AE, Bae T, Beckel-Mitchener A, Berman BP, Coetzee GA, Coppola G, Francoeur N, Fromer M, Gao R, Grennan K, Herstein J, Kavanagh DH, Ivanov NA, Jiang Y, Kitchen RR, Kozlenkov A, Kundakovic M, Li M, Li Z, Liu S, Mangravite LM, Mattei E, Markenscoff-Papadimitriou E, Navarro FC, North N, Omberg L, Panchision D, Parikshak N,

Poschmann J, Price AJ, Purcaro M, Reddy TE, Roussos P, Schreiner S, Scuderi S, Sebra R, Shibata M, Shieh AW, Skarica M, Sun W, Swarup V, Thomas A, Tsuji J, van Bakel H, Wang D, Wang Y, Wang K, Werling DM, Willsey AJ, Witt H, Won H, Wong CC, Wray GA, Wu EY, Xu X, Yao L, Senthil G, Lehner T, Sklar P, Sestan N.

Nat Neurosci. 2015 Dec;18(12):1707-12. doi: 10.1038/nn.4156.

6. ACSL1 Is Associated With Fetal Programming of Insulin Sensitivity and Cellular Lipid Content.

Joseph R, Poschmann J, Sukarieh R, Too PG, Julien SG, Xu F, Teh AL, Holbrook JD, Ng KL, Chong YS, Gluckman PD, Prabhakar S, Stünkel W.

Mol Endocrinol. 2015 Jun;29(6):909-20. doi: 10.1210/me.2015-1020.

7. Sensitive detection of chromatin-altering polymorphisms reveals autoimmune disease mechanisms.

del Rosario RC*, Poschmann J*, Rouam SL, Png E, Khor CC, Hibberd ML, Prabhakar S.

Nat Methods. 2015 May;12(5):458-64. doi: 10.1038/nmeth.3326

Citations: 21

8. MiR-135b is a direct PAX6 target and specifies human neuroectoderm by inhibiting TGF- β /BMP signaling.

Bhingé A, Poschmann J, Namboori SC, Tian X, Jia Hui Loh S, Traczyk A, Prabhakar S, Stanton LW.

EMBO J. 2014 Jun 2;33(11):1271-83. doi: 10.1002/embj.201387215.

Citations: 23

9. A functional autophagy pathway is required for rapamycin-induced degradation of the Sgs1 helicase in *Saccharomyces cerevisiae*.

Marrakchi R, Chouchani C, Poschmann J, Andreev E, Cherif M, Ramotar D.

Biochem Cell Biol. 2013 Jun;91(3):123-30. doi: 10.1139/bcb-2012-0084

10. RNA polymerase II degradation in response to rapamycin is not mediated through ubiquitylation.

Jouvet N*, Poschmann J*, Douville J, Marrakchi R, Ramotar D.

Biochem Biophys Res Commun. 2011 Sep 23;413(2):248-53. doi: 10.1016/j.bbrc.2011.08.079.

11. The peptidyl prolyl isomerase Rrd1 regulates the elongation of RNA polymerase II during transcriptional stresses.

Poschmann J, Drouin S, Jacques PE, El Fadili K, Newmarch M, Robert F, Ramotar D.

PLoS One. 2011;6(8):e23159. doi: 10.1371/journal.pone.0023159

12. Rrd1 isomerizes RNA polymerase II in response to rapamycin.

Jouvet N*, Poschmann J*, Douville J, Bulet L, Ramotar D.

BMC Mol Biol. 2010 Dec 3;11:92. doi: 10.1186/1471-2199-11-92.

13. Deletion of the chromatin remodeling gene SPT10 sensitizes yeast cells to a subclass of DNA-damaging agents.

Tounekti K, Aouida M, Leduc A, Poschmann J, Yang X, Belhadj O, Ramotar D.

Environ Mol Mutagen. 2006 Dec;47(9):707-17