

EDUCATION

Ph.D. Epidemiology , <i>Karolinska Institutet, Sweden</i>	2019–2023
M.Sc. Nutrition and Health , <i>Wageningen University & Research, the Netherlands</i>	2015–2017
B.Med. Preventive Medicine , <i>Qingdao University, China</i>	2010–2015

EMPLOYMENT

Postdoctoral Researcher , <i>Centre for Clinical Brain Sciences, The University of Edinburgh, UK</i>	01/2025–present
Postdoctoral Researcher , <i>KI Psychiatric Genomics Institute, Karolinska Institutet, Sweden</i>	10/2023–present
Research Assistant , <i>Dept. Medical Epidemiology and Biostatistics, Karolinska Institutet, Sweden</i>	04/2018–04/2019
Research Assistant , <i>Dept. Medical and Clinical Psychology, Tilburg University, the Netherlands</i>	09/2017–02/2018

RESEARCH EXPERIENCE

Intern , <i>Schain Research, Sweden</i>	09/2022–10/2022
Research Consultant (part-time) , <i>Shandong Provincial Mental Health Center, China</i>	11/2021–03/2022
Thesis Intern , <i>Utrecht Medical Center, the Netherlands</i>	06/2016–06/2017
Research Intern , <i>Center for Disease Control and Prevention of Shandong Province, China</i>	01/2015–08/2015

CLINICAL EXPERIENCE

Psychiatrist Intern (part-time) , <i>Shandong Provincial Mental Health Center, China</i>	11/2021–03/2022
Clinical Rotation , <i>Jinan Central Hospital, China</i>	06/2014–12/2014

SCHOLARSHIPS AND GRANTS

Research Funding, 100,000 SEK, Fonden för Psykisk Hälsa	2024
International Postdoc Grant, 3,900,000 SEK, Swedish Research Council	2024
Research Scholarship, 100,000 SEK, Jerringfonden	2023
Research Scholarship, 150,000 SEK, Wera Ekströms Fond För Pediatrikforskning	2022
KI Travel Grant, 50,000 SEK in total, Karolinska Institutet	2022–2023
Research Scholarship, 80,000 SEK, Drottning Silvias Jubileumsfond	2019

MERITS AND AWARDS

The Chinese Government Award for Outstanding Self-financed Students Abroad , China Scholarship Council, Chinese Ministry of Education	2022
Research Prize , European Psychiatric Association	2022
Science Award Early Career Researcher , PsychoSocial Aspects of Diabetes Study Group, European Association for the Study of Diabetes	2021

SCIENTIFIC COMMUNICATIONS

Poster presentation, American Diabetes Association 83rd Scientific Sessions	2023
Oral presentation, International Society for Autism Research Annual Meeting	2023
Oral presentation, Research Accelerating Psychosocial Innovations in Diabetes (RAPID) Conference	2022
Oral discussion, 58th European Association for the Study of Diabetes Annual Meeting	2022
Oral presentation, 57th European Association for the Study of Diabetes Annual Meeting.	2021
Representative attendee of KI, Global Young Scientists Summit.	2022
Poster presentation, International Society for Pediatric and Adolescent Diabetes Conference	2021
Poster presentation, PsychoSocial Aspects of Diabetes Annual Scientific Meeting.	2021
Invited talk, Center of Research on Psychological and Somatic Disorders, Tilburg University	2021
Oral presentation, Association for Researchers in Psychology and Health Conference	2020

PUBLICATIONS

As the first-author and/or corresponding author:

- Liu, S.**, Lagerberg, T., Ludvigsson, J.F., Taylor, M.J., Chang, Z., D'Onofrio, B.M., Larsson, H., Lichtenstein, P., Gudbjörnsdóttir, S., Kuja-Halkola, R. and Butwicka, A., 2023. Psychotropic Medication Use in Children and Adolescents With Type 1 Diabetes. *JAMA Network Open*, 6(10), pp.2336621.
- Liu, S.**, Larsson, H., Kuja-Halkola, R., Lichtenstein, P., Butwicka, A. and Taylor, M.J., 2023. Age-related physical health of older autistic adults in Sweden: a longitudinal, retrospective, population-based cohort study. *The Lancet Healthy Longevity*, 4(7), pp.e307-e315.
- Kang, X.*, **Liu, S.***, Roelstraete, B., Khalili, H. and Ludvigsson, J.F., 2023. Type 1 diabetes and microscopic colitis: A nationwide matched case-control study in Sweden. *Alimentary Pharmacology & Therapeutics*, 57(12), pp.1423-1431. (* co-first author)
- Liu, S.**, Ludvigsson, J.F., Lichtenstein, P., Gudbjörnsdóttir, S., Taylor, M.J., Larsson, H., Kuja-Halkola, R. and Butwicka, A., 2023. Educational Outcomes in Children and Adolescents With Type 1 Diabetes and Psychiatric Disorders. *JAMA Network Open*, 6(4), p.e238135.
- Liu, S.**, Soedamah-Muthu, S.S., Van Meerten, S.C., Kromhout, D., Geleijnse, J.M. and Giltay, E.J., 2023. Use of benzodiazepine and Z-drugs and mortality in older adults after myocardial infarction. *International Journal of Geriatric Psychiatry*, 38(1), p.e5861.
- Liu, S.**, Leone, M., Ludvigsson, J.F., Lichtenstein, P., Gudbjörnsdóttir, S., Landén, M., Bergen, S.E., Taylor, M.J., Larsson, H., Kuja-Halkola, R. and Butwicka, A., 2022. Early-Onset Type 2 Diabetes and Mood, Anxiety, and Stress-Related Disorders: A Genetically Informative Register-Based Cohort Study. *Diabetes Care*, 45(12), pp.2950-2956.
- Liu, S.**, Larsson, H., Lichtenstein, P., Ludvigsson, J.F., Gudbjörnsdóttir, S., Serlachius, E., Kuja-Halkola, R. and Butwicka, A., 2022. Childhood-onset type 1 diabetes and attention-deficit/hyperactivity disorder with educational attainment: A population-based sibling-comparison study. *Acta Paediatrica*, 111(11), pp.2131-2141.
- Liu, S.**, Leone, M., Ludvigsson, J.F., Lichtenstein, P., D'Onofrio, B., Svensson, A.M., Gudbjörnsdóttir, S., Bergen, S.E., Larsson, H., Kuja-Halkola, R. and Butwicka, A., 2022. Association and familial coaggregation of childhood-onset type 1 diabetes with depression, anxiety, and stress-related disorders: a population-based cohort study. *Diabetes Care*, 45(9), pp.1987-1993.
- Liu, S.**, Nyklíček, I., Pouwer, F., Speight, J., Bot, M., Nefs, G. and Soedamah-Muthu, S.S., 2021. Mindfulness in relation to diet quality in adults with type 1 and type 2 diabetes: Results from Diabetes MILES-The Netherlands. *Mindfulness*, 12, pp.2943-2954.
- Liu, S.**, Ajne, G., Wikman, A., Lindqvist, C., Reilly, M. and Tiblad, E., 2021. Management and clinical consequences of red blood cell antibodies in pregnancy: A population-based cohort study. *Acta Obstetrica et Gynecologica Scandinavica*, 100(12), pp.2216-2225.
- Liu, S.**, Kuja-Halkola, R., Larsson, H., Lichtenstein, P., Ludvigsson, J.F., Svensson, A.M., Gudbjörnsdóttir, S., Tideman, M., Serlachius, E. and Butwicka, A., 2021. Neurodevelopmental disorders, glycemic control, and diabetic complications in type 1 diabetes: a nationwide cohort study. *The Journal of Clinical Endocrinology & Metabolism*, 106(11), pp.e4459-e4470.
- Liu, S.**, Kuja-Halkola, R., Larsson, H., Lichtenstein, P., Ludvigsson, J.F., Svensson, A.M., Gudbjörnsdóttir, S., Tideman, M., Serlachius, E. and Butwicka, A., 2021. Poor glycaemic control is associated with increased risk of neurodevelopmental disorders in childhood-onset type 1 diabetes: a population-based cohort study. *Diabetologia*, 64, pp.767-777.
- Liu, S.**, Powell, L., Chia, D., Russ, T.C., McGreevy, P.D., Bauman, A.E., Edwards, K.M. and Stamatakis, E., 2019. Is dog ownership associated with mental health? A population study of 68,362 adults living in England. *Anthrozoös*, 32(6), pp.729-739.
- Liu, S.**, van der Schouw, Y.T., Soedamah-Muthu, S.S., Spijkerman, A.M. and Sluijs, I., 2019. Intake of dietary saturated fatty acids and risk of type 2 diabetes in the European Prospective Investigation into Cancer and Nutrition-Netherlands cohort: associations by types, sources of fatty acids and substitution by macronutrients. *European Journal of Nutrition*, 58, pp.1125-1136.

As a co-author:

- Lamichhane, N., **Liu, S.**, Wikman, A. and Reilly, M., 2025. Potential of a Second Screening Test for Alloimmunization in Pregnancies of Rhesus-positive Women: A Swedish Population-based Cohort Study. *Epidemiology*, 36(1), pp.40-47.

- Ma, Y., Zuo, T., Liu, Z., **Liu, S.**, Li, J., Wang, K., Kong, L. and Yang, Y., 2024. Association between childhood trauma and depressive symptoms in adolescents during the post COVID-19 pandemic: the mediating role of social peer rejection. *Psychology, Health & Medicine*, 29(10), pp.1776-1791.
- Dong, Z., Zhang, L., Li, L., **Liu, S.**, Brikell, I., Kuja-Halkola, R., D'Onofrio, B.M., Butwicka, A., Gudbjörnsdóttir, S., Larsson, H. and Chang, Z., 2024. Cumulative ADHD medication use and risk of type 2 diabetes in adults: a Swedish Register study. *BMJ Ment Health*, 27(1).
- Wei, Y., **Liu, S.**, Andersson, T., Feychting, M., Kuja-Halkola, R., Carlsson, S., 2024. Familial aggregation and heritability of childhood-onset and adult-onset type 1 diabetes: a genetically informative register-based cohort study. *The Lancet Diabetes & Endocrinology*, 12(5), pp.320-329.
- Påhlsson-Notini, A., **Liu, S.**, Tideman, M., Latvala, A., Serlachius, E., Larsson, H., Hirvikoski, T., Taylor, M. J., Kuja-Halkola, R., Lichtenstein, P., & Butwicka, A., 2024. Substance use-related problems in mild intellectual disability: A Swedish nationwide population-based cohort study with sibling comparison. *JCPP Advances*, p.e12225.
- Speight, J., Holmes-Truscott, E., Garza, M., Scibilia, R., Wagner, S., Kato, A., Pedrero, V., Deschênes, S., Guzman, S.J., Joiner, K.L., **Liu, S.**, Willaing, I., Babbott, K.M., Cleal, B., Dickinson, J.K., Halliday, J., Morrissey, E., Nefs, G., O'Donnell, S., Serlachius, A., Winterdijk, P., Alzubaidi, H., Arifin, B., Cambron-Kopco, L., Santa Ana, C., Davidsen, E., de Groot, M., de Wit, M., Deroze, P., Haack, S., Holt, R.I., Jensen, W., Khunti, K., Kragelund Nielsen, K., Lathia, T., Lee, C., McNulty, B., Naranjo, D., Pearl, R.L., Prinjha, S., Puhl, R.M., Sabidi, A., Selvan, C., Sethi, J., Seyam, M., Sturt, J., Subramanian, M., Helle, T.M., Virginia, V., Michael, V., and Skinner, T.C., 2024. Bringing an end to diabetes stigma and discrimination: an international consensus statement on evidence and recommendations. *The Lancet Diabetes & Endocrinology*, 12(1), pp.61-82
- Marks, K.P., Aalders, J., **Liu, S.**, Broadley, M., Thastum, M., Jensen, M.B., Ibfelt, E.H., Birkebæk, N.H. and Pouwer, F., 2023. Associations between disordered eating behaviors and HbA1c in young people with type 1 diabetes: a systematic review and meta-analysis. *Current Diabetes Reviews*, 20(4), pp.75-97.
- Leone, M., Kuja-Halkola, R., Leval, A., Butwicka, A., Skov, J., Zhang, R., **Liu, S.**, Larsson, H. and Bergen, S.E., 2022. Genetic and environmental contribution to the co-occurrence of endocrine-metabolic disorders and depression: a nationwide Swedish study of siblings. *American Journal of Psychiatry*, 179(11), pp.824-832.
- Tate, A.E., Sahlin, H., **Liu, S.**, Lu, Y., Lundström, S., Larsson, H., Lichtenstein, P. and Kuja-Halkola, R., 2022. Borderline personality disorder: associations with psychiatric disorders, somatic illnesses, trauma, and adverse behaviors. *Molecular Psychiatry*, 27(5), pp.2514-2521.
- Tate, A.E., **Liu, S.**, Zhang, R., Yilmaz, Z., Larsen, J.T., Petersen, L.V., Bulik, C.M., Svensson, A.M., Gudbjörnsdóttir, S., Larsson, H., Butwicka, A. and Kuja-Halkola, R., 2021. Association and familial coaggregation of type 1 diabetes and eating disorders: a register-based cohort study in Denmark and Sweden. *Diabetes Care*, 44(5), pp.1143-1150.
- Liu, M., Wang, Z., **Liu, S.**, Liu, Y., Ma, Y., Liu, Y., Xue, M., Li, Q., Zhang, X., Zhang, S. and Liang, H., 2020. Effect of B vitamins supplementation on cardio-metabolic factors in patients with stable coronary artery disease: A randomized double-blind trial. *Asia Pacific Journal of Clinical Nutrition*, 29(2), pp.245-252.
- Meng, L., Wang, Z., Reilly, M., Zhang, S., Liu, X., Lin, D., **Liu, S.**, Liu, Y., Zhang, J. and Chen, H., 2020. Amniotic immune biomarkers as risk factors in women with different symptoms of threatened late miscarriage. *American Journal of Reproductive Immunology*, 83(5), p.e13232.
- Yang, Y., Yang, T., S., Cao, Z., Zhao, Y., Su, X., Liao, Z., Teng, X. and Hua, J., 2019. Concentrated ambient PM2.5 exposure affects mice sperm quality and testosterone biosynthesis. *PeerJ*, 7, p.e8109.
- Wang, X., **Liu, S.**, Robinson, K.M., Shawler, C. and Zhou, L., 2019. The impact of dementia caregiving on self-care management of caregivers and facilitators: a qualitative study. *Psychogeriatrics*, 19(1), pp.23-31.

SKILLS

Languages English (Working proficiency), Chinese(Native)
Statistical Software R, SAS, OpenMX, STATA, SPSS

SCIENTIFIC SERVICE

Ad hoc reviewer for Diabetologia, Translational Psychiatry, Journal of Child Psychology and Psychiatry (JCPP) Advance, Scientific Reports, Diabetes & Metabolic Syndrome: Clinical Research & Reviews, BMJ Open, BMC Psychiatry, BMC Nutrition, BMC Geriatrics.

2022–2023

(46) 0705495598
Stockholm, Sweden
shengxin.liu@ki.se

Shengxin Liu

Postdoctoral Researcher

KI-Staff Page
Google Scholar
LinkedIn

TEACHING AND SUPERVISING

Main supervisor: Meijie Lian (2023–), master degree project, "*Economic Burden of Psychotropic Medications and Mental Healthcare Utilization in Individuals with Intellectual Disability: A Systematic Review and a Single Country Analysis*".

Co-supervisor: Xinyue Gu (2024-2028), PhD education, 20% supervisor responsibility, "*Early-life environmental risk factors of Intellectual Disability: biological, psychosocial influences and early identification – National Twin and Family Study*". Philip Daniel Javier Lindersten (2023–2024), degree project, "*Childhood Adverse Experience and Risk of Treatment Resistant Depression: a Swedish population-based twin study*". Nishan Lamichhane (2022–2023), degree project, "*Potential of Offering a Second Screening Test for Alloimmunization in Pregnancies of Rhesus Positive Women: a Swedish population-based retrospective cohort study*". Andreas Pålsson (2020–2021), degree project, "*Substance Use-Related Problems in Mild Intellectual Disability: A Swedish Nationwide Population-Based Cohort Study with Sibling Comparison*".