

Academic Curriculum Vitae: Sarah Gregory 8th March 2022

Title, first name and surname	Miss Sarah Gregory
Address & Phone	Edinburgh Dementia Prevention, Western General Hospital, Edinburgh, EH4 XU; 0131 650 6794
Education	<p>PhD in Psychiatry, University of Edinburgh (2018-present) <i>In progress</i></p> <p>MSc Mental Health Sciences Research, University College London (2014- 2016) <i>Distinction</i> <i>£1000 UCL Fee Scholarship awarded for Part-Time Students</i></p> <p>BSc (Hons) Psychology, University of Bath (2010) <i>Awarded 2.1</i></p>
Previous Employment (incl. location & dates)	<p>Study Coordinator, Edinburgh Dementia Prevention, Biocube 1, 9a Little France Road, Edinburgh, EH16 4UX, June 2017-June 2021</p> <p>Deputy Manager, West London Cognitive Disorders Treatment and Research Unit, Isleworth, TW7 6FY; February 2016-June 2017</p> <p>National Rater Lead, Division 4, Comprehensive Research Network (January 2014- June 2017)</p> <p>Clinical Research Officer, West London Cognitive Disorders Treatment and Research Unit, Isleworth, TW7 6FY; November 2011-February 2016</p> <p>Clinical Data Manager, Brentford Lodge, Boston Manor Road, Brentford, TW8 8DS, UK, November 2010-November 2011</p>
Present position (Title/location)	<p>Research Fellow Edinburgh Dementia Prevention, Western General Hospital, Edinburgh, EH4 XU July 2021-present</p> <p>MSc in Clinical Trials, University of Edinburgh, September 2019- present Co-Course Lead (Principles of Clinical Trials Management (2020/2021, 2021/2022); Study Design(2020/2021)), Dissertation Supervisor and Tutor (Introduction to Randomised Controlled Trials and Medical Statistics (2021/2022); Monitoring and Audit (2021/2022); Ethical and Regulatory Considerations in Clinical Trials (2020/2021))</p>
Memberships	<p>Associate Fellowship, Advance HE (Awarded on successful completion of Introduction to Academic Practice course, Institute for Academic Development, University of Edinburgh, February 2022-present)</p> <p>Alternative Vice Chair, South East Scotland Research Ethics Committee 2 (September 2021- present) Edinburgh Race Equality Network (EREN) Book Club Committee Member (March 2021- present)</p> <p>Lay Committee Member, South East Scotland Research Ethics Committee 2 (June 2017- September 2021)</p> <p>ISTAART Student Member (July 2019-present)</p> <p>BNA Student Member (December 2019-present)</p> <p>Scottish Dementia Information Partnership, Work Package 4 (Assessment and Audit) Co-Lead (September 2018-June 2020)</p>

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	<p>Lay Committee Member, Queens Square Research Ethics Committee (February 2014-June 2017) UK Clinical Trial Gateway Advisory Committee (Feb 2015- January 2017) National Rater Lead Steering Committee Member (May 2015-June 2017)</p>
Supervision	<p>MSc Clinical Trials Dissertations:</p> <ul style="list-style-type: none"> • Cost effectiveness of Atezolizumab in Triple negative Breast Cancer patients: A systematic review. Jormis Kraja. September 2020-September 2021, <i>MSc pass</i> • A systematic review: the effectiveness of risk-based monitoring in clinical trials on data quality and protocol compliance. Judy Kao. September 2019-September 2021, award pending • What are we left with once COVID-19 is gone – can clinical research recover and thrive? Lauren Murdoch. September 2020-May 2022, award pending <p>Undergraduate Medicine SSC5a</p> <ul style="list-style-type: none"> • Barriers and facilitators to participating in clinical trials of pre-clinical Alzheimer’s disease: a systematic review. Hannah Morrison, August 2021-April 2022, award pending
Peer review	<p>Peer reviewer for:</p> <ul style="list-style-type: none"> • Journal of Alzheimer’s Disease • Research Involvement and Engagement • International Journal of Geriatric Psychiatry <p>Conference Abstract Reviewer:</p> <ul style="list-style-type: none"> • Alzheimer’s Association Neuroscience Next 2021 <p>Place awarded at Voice of Young Science: Quality and Peer Review workshops attended 19th and 26th June 2020</p>
Public engagement	<p>@PhDWomenScot Twitter Manager – I manage the twitter account for @PhDWomenScot. The account has ~3000 followers and we typically see 50000 impressions per month (accurate as of 17Jul2020)</p> <p>@CenDemPrevent Twitter co-manager – along with 2 colleagues I manage the twitter account to @CenDemPrevent. The account has ~1900 followers and we typically see 5000 impression per month (accurate as of 17July2020)</p> <p>Scientist pen pal for <i>Letters to a Prescientist</i> programme 2020/2021, 2019/2020 Mental Elf blogger- I contribute to Mental Elf blogs, links to blogs below: https://www.nationalelfservice.net/mental-health/dementia/tv-cognitive-decline/ https://www.nationalelfservice.net/mental-health/dementia/digital-technology-to-assess-cognition-in-older-adults/ https://www.nationalelfservice.net/mental-health/dementia/dog-therapy-dementia/</p> <p>PhDWomenScotland blogs: Stepping into the abstract abyss: Reflections on a being a first time conference abstract reviewer – PhD Women Scotland (wordpress.com) Ethics – More Than Just a Box to be Ticked – PhD Women Scotland (wordpress.com)</p> <p>Place awarded at Standing up for Science workshop, attended 29th March 2021</p> <p>BNA 2021 Festival of Neuroscience Social Media Ambassador (Monday 12th April-Thursday 15th April 2021)</p>
Clinical trial experience	<p>Experience working on 50 clinical research studies to date, 31 CTIMPS (4 in schizophrenia, 27 in Alzheimer’s disease, mild cognitive impairment and Lewy body dementia) from phase II to phase IV. Primary site coordinator for 12 CTIMPS (4 in schizophrenia and 8 in Alzheimer’s disease, mild cognitive impairment and Lewy body dementia), which a mixture of industry and university sponsored trials. Currently coordinating the EPAD Scotland, SPeAk and PREVENT research studies in the Edinburgh</p>

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	Dementia Prevention group.
Management and coaching experience	<p>Line management experience since 2016</p> <p>Completion of the Edinburgh Manager Course (2020/2021)</p> <p>Completion of Aurora (2020/2021)</p> <p>Facilitator for the Edinburgh Managers & Edinburgh Leaders Development Courses</p>
Grants awarded	<p>Scottish Neurological Research Fund, Cortisol mediated cardiovascular risk factors for dementia and other neurological conditions (CortCarDem), £12,035.61, September 2021-September 2022, Sarah Gregory, Craig Ritchie, Graciela Muniz-Terrera, Terry Quinn</p> <p>British Neuroscience Association, Festival of Neuroscience Bursary, £43 (conference registration fee), March 2020, Sarah Gregory</p> <p>Scottish Dementia Research Consortium Early Career Researcher Funding, £270.00. November 2020. Sarah Gregory</p> <p>CCBS internal funding for Aurora registration fee, £750.00, October 2020. Sarah Gregory</p> <p>National attitudes to dementia research and data, Edinburgh Futures Institute, £4145.94. March 2020-July 2020. Lewis Killin, Sarah Gregory, Craig Ritchie</p> <p>Travel scholarship to attend PREVENT General Assembly in Dublin 2019, Alzheimer's Association, £250.00. Sarah Gregory</p> <p>UCL Scholarship awarded for Part-Time Students, UCL, £1000.00. September 2015-September 2016. Sarah Gregory</p>
Publications	<p>Articles</p> <p><i>Preprint: Gregory, S., Killin, L., Pullen, H., Dolan, C., Hunter, H., Welstead, M., Ritchie, C.W. (Preprint). Public attitudes to the use of routinely and non-routinely collected healthcare data in dementia and brain health research. DOI: 10.2196/preprints.30918</i></p> <p>Gregory, S., Linz, N., König, A., Langel, K., Pullen, H., Luz, S., Harrison, J., Ritchie, C.W. (In Press). Remote data collection speech analysis and prediction of the identification of Alzheimer's disease biomarkers in people at risk for Alzheimer's disease dementia and: the Speech on the Phone Assessment (SPeAk) prospective observational study protocol. <i>BMJ Open</i>.</p> <p>Kulkarni, D., Gregory, S., Evans, M. Effectiveness of eccentric-biased exercise interventions in reducing the incidence of falls and improving functional performance in older adults: a systematic review. 2021. <i>European Geriatric Medicine</i>. https://doi.org/10.1007/s41999-021-00571-8</p> <p>Hair K, Sena E, Wilson E, Currie G, Macleod M, Bahor Z, Sena C, Ayder C, Liao J, Tanriver Ayder E, Ghanawi J, Tsang A, Collins A, Carstairs A, Antar S, Drax K, Neves K, Ottavi T, Chow YY, Henry D, Selli C, Fofana M, Rudnicki M, Gabriel B, Pearl E, Kapoor S, Baginskaite J, Shevade S, Chung A, Przybylska M, Henshall D, Hajdu K, McCann S, Sutherland C, Lubiana Alves T, Blacow R, Hood R, Soliman N, Harris A, Swift S, Rackoll T, Percie du Sert N, Waldron F, Macleod M, Moulson R, Low J, Rannikmae K, Miller K, Bannach-Brown A, Kerr F, Hébert H, Gregory S, Shaw I, Christides A, Alawady M, Hillary R, Clark A, Jayasuriya N, Sives S, Nazzal A, Jayasuriya N, Sewell M, Bertani R, Fielding H, Drury B. Building a Systematic Online Living Evidence Summary of COVID-19 Research. JEAHIL</p>

[Internet]. 24Jun.2021 [cited 6Jul.2021];17(2):21-6. Available from:
<http://ojs.eahil.eu/ojs/index.php/JEAHIL/article/view/465>

Ritchie, K., Carrière, I., **Gregory, S.**, Watermeyer, T., Danso, S., Li, S., Ritchie, C., & et al. (2020) Trauma and depressive symptomatology in middle-aged persons at high risk of dementia: the PREVENT Dementia Study. *Journal of Neurology, Neurosurgery and Psychiatry* <https://doi.org/10.17863/CAM.57908>

Watermeyer, T., Robb, C., **Gregory, S.**, Udeh-Momah, C. (2020). Therapeutic implications of hypothalamic pituitary adrenal axis modulation in Alzheimer's disease; a narrative review of pharmacological and lifestyle interventions. *Frontiers in Neuroendocrinology*

Gregory, S., Bunnik, E.M., Callado, A.B., Carrie, I., De Boer, C., Duffus, J., Fauria, K., Forster, S., Gove, D., Knezevic, I., Laquidain, A., Pennetier, D., Saunders, S., Sparks, S., Rice, J. Ritchie, C.W., & Milne, R. (2020). Involving research participants in a pan-European research initiative: the EPAD participant panel experience. *Research Involvement and Engagement*

Gregory, S., Hill, D., Grey, B., Ketelbey, W., Miller, T., Muniz-Terrera, G., & Ritchie, C.W. (2020) 11beta-hydroxysteroid dehydrogenase type 1 inhibitor use in human disease- a systematic review and narrative synthesis. *Metabolism*, 108 (154246), doi: <https://doi.org/10.1016/j.metabol.2020.154246>

Stirland, L., **Gregory, S.**, Russ, T., Ritchie, C. W., Muniz-Terrera, G. (2020). Associations between mid-life chronic conditions and medication use with anxiety and depression: a cross-sectional analysis of the PREVENT Dementia study. *Journal of Comorbidity*, 10, 1-2, doi: 10.1177/2235042X20920443

Gregory, S., Billings, J., Wilson, D., Livingston, G., Schilder, A.G.M., Costafreda, S.G. (2020). Experiences of hearing aid use among patients with mild cognitive impairment and Alzheimer's disease dementia: A qualitative study. *SAGE Open*, 8. <https://doi.org/10.1077/2050312120904572>

Gowie, M., Wilson, D., **Gregory, S.**, Clark, L.L. (2020). Development of a core competency framework for clinical research staff. *Journal of Interprofessional Education & Practice*, 18(100301). DOI: 10.1016/xjep.2019.100301

Gregory, S., Wells, K., Forsyth, K., Latto, C., Szyra, H., Saunders, S., Ritchie, C.W., Milne, R. (2018). Research participants as collaborators: Background, Experience and Policies from the PREVENT Dementia and EPAD Programmes. *Dementia*, 17(8): 1045-1054. Doi:10.1177/1471301218789307

Patel, A., Gibbor, L., Douch, R., Welstead, M., Cahill, E., Kouimtsidis, C., Wilson, D., **Gregory, S.**, Manalo, M., Mandalia, P., Deriziotis, S., Kaya, S., Wells, K., & Raymont, V. (2018). The Validity of the Alcohol-Use-Disorder-Identification-Test and a Novel Proxy Test in the Assessment of Alcohol Consumption in the Cognitively Impaired Elderly. *Journal of Addiction Research*, 2(1), 1-8

Kahn, R. S., Winter Van Rossum, I., Leucht, S., McGuire, P., Lewis, S. W., Leboyer, M., Arango, C., Dazzan, P., Drake, R., Heres, S., Diaz-Caneja, C.M., Rujescu, D., Weiser, M., Galderisi, S., Glenthøj, B., Eijemans, M.J.C., Fleischhacker, W., Kapur, S., Sommer, I.E. for the OPTMiSE study group: Khan, R.S., Sommer, I.E., Winter-van Rossum, I., Somers, M., Ywema, P.C., Kapur, S., McGuire, P., Leboyer, M., Meyer-Linderberg, A., Lewis, S.W., Leucht, S., Arange, C., Fleischhacker, W.W., Meijering, A.L., Petter, J., Van de Brug, R., Schotmans, J., Zwerver, J., Peuskens, J., De Hert, M., Thys, E., Hranov, L.G., Hranov, V., Libiger, J., Kohler, R., Mohr, P., Glenthøj, B., Broberg, B., During, Si., Baandrup, L., Jamain, S., Heres, S., Rujescu, D., Giegling, I., Weiser, M., Heim, M.B., Davidson, M., Galderisi, S., Bucci, P., Mucci, A., Rybakowski, J., Remlinger-Moleanda, A., Gonen, I., Radu, P., Diaz-Marsa, M., Rodriguez, A., Palomo, T., Rodriguez-Jimenez, R., Garcia-Portilla, P., Benardo, M., Bobes, J., Vilares, C., Gregor, O., Wildt, C., Dazzan, P., Perez-Iglesias, R., Drake, R., **Gregory, S.**, Wilison, D., Diaz-Caneja, C.M., Eijkeas, M.J.C. (2018). Amisulpride and olanzapine followed by open-label treatment with clozapine in first-episode schizophrenia and schizophreniform disorder (OPTMiSE): a three-phase switching study. *The Lancet Psychiatry*, 5 (10), 797-807. [https://doi.org/10.1016/S2215-0366\(18\)30252-9](https://doi.org/10.1016/S2215-0366(18)30252-9)

Gregory, S., Oettle, R & Hayes, G. (2015). A Model for Research Nurses Managing Risk and Study Delivery Strategies. Clinical Research and GCP, Published Online 12/10/2015.
<http://www.crgcp.org/content/2015/10/12/a-model-for-research-nurses-managing-risk-and-study-delivery-strategies/>

Avent, C., Curry, L., **Gregory, S.**, Marquardt, S., Pae, L., Wilson, D., Ritchie, K., and Ritchie, C.W. (2013). Establishing the motivations of patients with dementia and cognitive impairment and their carers in joining a research register (DemReg). International Psychogeriatrics, 25(6): 963-71. Doi: 10.1017/S1041610213000252.

Posters

Gregory, S. (2021). Diabetes is associated with poorer allocentric processing compared to non-diabetic participants in the EPAD LCS cohort. AAIC Neuroscience Next, Virtual.

Gregory, S., Ritchie, C.W., Muniz-Terrera, G. (2021). Diseases with abnormal HPA function predict CSF pTau but not CSF Aβ₁₋₄₂ in the EPAD Longitudinal Cohort Study. AAIC 2021, Virtual. *Selected for the ISTAART Student Science Spotlight programme.*

Gregory, S. (2021). Diabetes is associated with poorer allocentric processing compared to non-diabetic participants in the EPAD LCS cohort. SDRC Annual Conference, Virtual.

Gregory, S. Kettleby, J. W., Miller, T., Grey, B., Hill, D., & Ritchie, C. W. (2019). 11β-hydroxysteroid dehydrogenase type 1 inhibitors: preclinical and clinical systematic reviews. AAIC 2019, Los Angeles, USA.

Gregory, S., Killin, L., Jobse, H., Sparks, S., Gardiner, R., Ingram, C., & Ritchie, C.W. (2019). Assessment of the implementation of the Scottish Brain Health Register in an NHS Lothian Memory Assessment and Treatment Service. Alzheimer Scotland Conference 2019: Edinburgh, UK.

Dolan, C. Fullerton, N. Danso, S. **Gregory, S.**, Wells, K., & Ritchie, C. W. (2019). To Share or Not To Share? There really is no question. SDRC Conference 2019: Glasgow, UK

Jobse, H., Sparks, S., Danso, S. Syson, J. Carruthers, K. F., **Gregory, S.**, & Ritchie, C. W. (2019). EPAD: an overview of data collection, data release and data access in the Longitudinal Cohort Study. SDRC Conference 2019: Glasgow, UK

Gregory, S., Saunders, S., Penman, E., Inglis, B., Dolan, C., Jobse, H., & Ritchie, C.W. (2018). The EPAD Participant Panel. NRS Conference 2018: Perth, UK

Gregory, S., Ketelbey, J.W., Miller, T., Ruffles, V., Hill, D. & Ritchie, C.W. (2018). 11β-hydroxysteroid dehydrogenase type 1 inhibitors, pharmacological mechanisms of potential therapeutic uses- a systematic review. CTAD 2018: Barcelona, Spain

Gregory, S., Billings, J., Wilson, D., Livingston, G., Schilder, A., & Costafreda Gonzalez, S. (2017). Experiences of hearing aid use among patients with Mild Cognitive Impairment and Mild Dementia: A qualitative study. AAIC 2017: London, UK

Danso, S.O., Terrera, G.M., Wells, K., **Gregory, S.**, Carriere, I., Gispert, J.D., Falcon, C., Minguillon, C., Ritchie, K., Molineuvo, J.L., & Ritchie, C.W. (2018). The TriBEKa imaging platform: an infrastructure to enable large-scale data-driven dementia prevention research from midlife across populations. SINAPSE Annual Scientific Meeting 2018, UK

Waterhouse, A., Sampson, H., McNulty, H., Crombie, C., **Gregory, S.**, Wilson, D., Deriziotis, S., Gibbor, K., Tham, L. & Orleans-Foli, S. (2016). Does Ecotherapy improve the quality of life for clients with a diagnosis of dementia: a pilot study. Imperial College Dementia Centre Summer Symposium 2016, London, UK

Gregory, S. Waterhouse, A., Orleans-Foli, S., Wilson, D., Tham, L., McNulty, H., Deriziotis, S., Gibbor, L., Crombie, C. (2016) Does Ecotherapy improve the Quality of Life for clients with a diagnosis of Dementia? Alzheimer's Disease international conference: Budapest, Hungary

Matheson, D., Patel, A., Arshad, T., **Gregory, S.**, Wilson, D., & Raymont, V. (June 2015). Exploring the optimal assessment of hazardous alcohol use and its effects on cognitive impairment in the elderly. RCPsych International Congress 2015, UK

Misra, P., Raymont, V., **Gregory, S.**, Mukherjee, A., Jha, A., and Ritchie, C.W. (June 2013) Does Dementia research registry work? Factors affecting recruitment in Dementia Research. RCPsych International Congress 2014, UK

Raymont, V., Wilson, D., Mukherjee, A., Curry, L., **Gregory, S.**, Pae, L and Ritchie, C.W (March 2012). Changes in referrals to a memory clinic – service reflection or representation of substantial public health success? Alzheimer's Disease International conference: London, UK

Presentations

Gregory, S. The Hypothalamic-Pituitary-Adrenal Axis and Alzheimer's Disease. Invited Talk. Northumbria Psychology Seminar Series. Online. 9th February 2022.

Gregory, S., Homer, N., Muniz-Terrera, G., Ritchie, C.W. (2021). The associations between stressful life events, Alzheimer's disease biomarkers and cognition in the EPAD LCS. 31st Alzheimer Europe Conference, Virtual. *Funded by Neuronet.*

Gregory, S. (2021). Stress hormones and Alzheimer's disease. PREVENT General Assembly, Virtual.

Gregory, S. (2021). Diabetes is associated with poorer allocentric processing compared to non-diabetic participants in the EPAD LCS cohort. SDRC Annual Conference, Virtual.

Gregory, S. (2021). Using Structural Equation Modelling to explore HPA axis associated diseases, imaging and cognition in PREVENT Dementia. Interim PREVENT General Assembly, Virtual.

Gregory, S. (2021). Using structural equation modelling (SEM) to explore HPA associated disease and Alzheimer's disease biomarkers in the EPAD LCS cohort. 2nd Brain Epidemiology Meeting, Edinburgh Neuroscience, Virtual.

Killin, L. Pearson, J., Ritchie, C.W., **Gregory, S.**, Winkler, K., Dolan, C., Hunter, M., Jobse, H., Sparks, S., Ingram, C., Gardiner, R., (2020). The Scottish Brain Health Register: an evidence based approach to integrating research into clinical services. Alzheimer Europe Conference 2020. Virtual.

Killin, L., Ritchie, C.W., **Gregory, S.**, Doull, L. Pennington, C., (2020) The Scottish Brain Health Register. Alzheimer Europe Conference 2020. Virtual.

Wilson, D., **Gregory, S.**, Manalo, M., Clark, L. (2019). Core competencies in Clinical Research. Research and Development Forum 2019: Brighton, UK. *Prize awarded as runner up for best abstract.*

Workshop

Gregory, S. (2020). Breakout Session 1: What do we know about big data in research and how do we feel about it? SDRC Virtual Conference 2020, Online, 7th September 2020