Angad sahni

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# publications

| **2022** | **The role of cognitive control in the positive symptoms of psychosis.** *(Accepted: 4-Apr-22)*  <https://doi.org/10.1016/j.nicl.2022.103004>  Horne, Charlotte; **Sahni, Angad**; Pang, Sze; Vanes, Lucy; Szentgyorgyi, Timea; Averbeck, Bruno; Moran, Rosalyn; Shergill, Sukhi. |
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# OUTREACH

| **2022** | **Reading Scholars Presentations.**   * Gave presentations about my research to A-level students interested in psychology. * Used to recruit participants for online task. |
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# RELEVANT experience

| **2020-2021** | **fMRI Data Analysis Using SPM.**  **Under Dr. Charlotte Horne, as an extension from MSc.**   * Bias data from a reinforcement learning task, performed by early psychosis subjects, was analysed.    + Emotional bias acts as a proxy for cognitive control capabilities. * Work contributed to potential publication (submitted in 2021). |
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# education

| **2021-** | **PhD Candidate in Neuroscience, University of Reading.**  **Supervisor:** Professor Ciara McCabe (NRG). |
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| **2019-2020** | **Psychiatric Research MSc, King’s College London (Distinction).**  **Supervisor:** Dr. Charlotte Horne (CSI Lab).  **Dissertation:** Negative Symptom Severity and Subcortical Reward Prediction Error Signal Correlation in First-Episode Psychosis. |
| **2015-2019** | **Gap Between The Courses.**   * I sought counselling for depression at UCL during the final year and after graduation.   + I worked part-time and saved up to pursue another MSc course. * I remained committed to forging a career in academia and that motivated me to persevere through this. |
| **2011-2015** | **Neuroscience Integrated-MSc, UCL (Upper Second-Class).**  **Supervisor:** Dr. Brian King.  **Dissertation:** P2X2 Receptor Co-Agonist: A New Role of UTP. |
| **2009-2011** | **Forest School, Winnersh. RG41 5NE.**  **Subjects:** Mathematics, Biology, Chemistry and Physics.  **Results:** 4 A\*s. |

# awards

| **2021-2024** | **University Of Reading Regional Bursary.**   * Awarded based on proposed project’s contribution to the local community. |
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| **2013** | **Wellcome Trust Summer Studentship, Frances Edwards Lab, UCL.**   * The lab had designed mouse models of Alzheimer’s Disease using the human genes involved in the disease, called TASTPM models. * The studentship taught skills involved in a biochemical lab, such as running western and southern blots, and quantitative PCR. * Experience with patch-clamping techniques, investigating potentiation capacities of hippocampal glutamatergic synapses. |

# RELEVANT SKILLS

|  | **Extensive Experience With SPM, SPSS And ‘R’.** |
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|  | **Javascript, PHP, HTML, CSS, Python Languages. Matlab Programming.** |
|  | **One-To-One Tutoring And Group Teaching Experience. Marking Posters And Project Reports.** |
|  | **Fluent In Hindi And Punjabi, Proficient In Urdu.** |
|  | **Charcoal And Pastel Landscape Artist.**   * Creativity, a vital core of research. |
|  | **Passionate About Philosophy, Especially Eastern.**   * Skill of in-depth critical thinking; epistemological, ontological reasoning. |

# Teaching

| **2021-** | **MSc Student Supervision.**   * Part of my project formed the student’s dissertation, using experience sampling methodology (ESM). * I guided their literature understanding, data analysis using R. |
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| **2021-** | **Demonstrator For Statistics Modules, Methods In Neuroscience, And Cognitive And Biological Psychiatry.**   * SPSS, G\*Power for 1st and 2nd year psychology students, and theoretical understanding behind statistical tests. * My neuroscience background allowed me to lead tutorials, covering basic neuroscience and methods of understanding literature for 1st year psychologists. |

# VOLUNTEERING

| **2011-2014** | **ReachOut London Charity.**   * Tutor with charity, helping primary school students - from lower income families - to catchup and additional help with syllabus. * Designed and taught weekly 45-minute lessons in Mathematics. |
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