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ALBINA TSKHAY

SPECIALIZATIONS: MICROBIOLOGY,
CELL BIOLOGY

CURRICULUM VITAE

ALBINA TSKHAY

Date of birth: 07.06.1994



EDUCATION

August 2019 – present University of Florida. Master of Science in Microbiology and Cell Biology.

August 2014 – May 2018 Nazarbayev University. Bachelor's degree. Specializations: Biostatistics, Microbiology.

August 2013 – May 2014 Nazarbayev University, Centre for Preparatory Studies. Chemistry and Biology.

TRAININGS

February 2019 – Good Clinical Practice. NIDA Clinical Coordinating Center

October 2017 – Collaborative Institutional Training Initiative (CITI): Responsible Research Training

December 2016 – Training on project management with the participation of invited experts from Canada, Astana.

ACCOMPLISHMENTS:

1. April 2018 Honourable Mention for Innovative Capstone Research Project. Nazarbayev University.
2. January 2018 – April 2018 Organization of “Youth for Education”, a social project aiming at coordination of volunteering student teaching of English language to orphans and children with disabilities of Astana city.
3. October 2018 – April 2018 Organization of “Kazakh Youth”, a social project aiming at the civic education among pupils of Astana city.

PATENTS:

1. Therapeutic Compositions for Enhanced Healing of Wounds and Scars. Farmer, Sean; Alibek, Ken; Tskhay, Albina. LOC.179CXC1PCT; PCT/US2019/033989. Filed 05/24/2019.
2. Materials and Methods for Producing Cardiolipin Farmer, Sean; Alibek, Ken; Moldakozhayev, Alibek; Tskhay, Albina. LOC.211P; 62/817,234. Filed 03/12/2019.
3. Compositions and Methods for Improving Quality of Life in Patients with Autism Spectrum Disorder. Lefkowitz, Andrew R.; Alibek, Ken; Tskhay, Albina; Moldakozhayev, Alibek; Farmer, Sean. FLA.101P; 62/796,781. Filed 01/25/2019.
4. Immune Supplement Composition Farmer, Sean; Alibek, Ken; Tskhay, Albina. LOC.202P; 62/773,214. Filed 11/30/2018.
5. Compositions and Methods for Treating and Preventing Helicobacter pylori Infections. Farmer, Sean; Alibek, Ken; Tskhay, Albina. LOC.201P; 62/772,260. Filed 11/28/2018.
6. Personalized System for Restoring the Gastrointestinal Tract Microbiome. Farmer, Sean; Alibek, Ken; Tskhay, Albina. LOC.196P; 62/751,098 Filed 10/26/2018.
7. Methods and Substances for Prevention and Treatment of Neurodegenerative Diseases. Farmer, Sean; Alibek, Ken; Moldakozhayev, Alibek; Tskhay, Albina. LOC.160XC1PCT; PCT/US2018/055861. Filed 10/15/2018.
8. Compositions and Methods for Cognitive, Immune and Digestive Support in Patients with Autism Spectrum Disorder. Lefkowitz, Andrew R.; Alibek, Ken; Moldakozhayev, Alibek; Farmer, Sean; Tskhay, Albina. FLA.100XC1PCT; PCT/US2018/048567. Filed 08/29/2018.
9. Compositions and Methods for Diagnosing Susceptibility to Autism Spectrum Disorder (ASD), Reducing the Likelihood of Developing ASD, and/or Treating ASD. Lefkowitz, Andrew R.; Alibek, Ken; Farmer, Sean; Moldakozhayev, Alibek; Tskhay, Albina. FLA.100XC2PCT; PCT/US2018/048571. Filed 08/29/2018.

PUBLICATIONS:

1. Alibek, K., Farmer, S., **Tskhay, A.**, Moldakozhayev, A., Isakov, T. (2019).
Case Series of 57 Autism Spectrum Disorder Children from Central Asia and Eastern Europe. Journal of Neurology and Psychiatric Disorders, Volume 1, Issue 1.
2. Alibek, K., Farmer, S., **Tskhay, A.**, Moldakozhayev, A., Isakov, T. (2019).
Etiotropic and Pathogenetic Therapy of Autism Spectrum Disorder: Case Series of 6 Children. Journal of Neurology and Psychiatric Disorders, Volume 1, Issue 1.
3. Alibek, K., Farmer, S., **Tskhay, A.**, Moldakozhayev, A., Isakov, T. (2019).
Treatment of Chronic and Latent Infections Combined with Nutritional Supplementation Positively Affects Quality of Life of ASD Children: Series of 30 Cases. Journal of Nutrition and Diet Supplements, in press.
4. Alibek, K., Farmer, S., **Tskhay, A.**, Moldakozhayev, A., Isakov, T. (2019).
Prevalence of Prenatal, Neonatal and Postnatal Complications among Healthy Children and Children Diagnosed with ASD in Central Asia and Eastern Europe. Journal of Gynaecology and Neonatal, in press.
5. Alibek, K., Farmer, S., **Tskhay, A.**, Moldakozhayev, A., Alibek, K., Isakov, T. (2019).
Tendencies in Changes of Blood Parameters and in Autistic Symptoms Improvements as a Result of Antiviral Treatment: Descriptive Case Series of 11 Children from Eastern Europe and Central Asia. Journal of Clinical Case Reports and Clinical Research, 1(1).
6. Alibek, K., Farmer, S., **Tskhay, A.**, Moldakozhayev, A., Alibek, K., Isakov, T. (2019).
Etiology and Pathogenesis of Autism Spectrum Disorder: A Review. Journal of Neurology and Psychiatric Disorders, Volume 1, Issue 1.

WORK EXPERIENCE:

January 2020 – present Group leader for research and analytics. Locus Fermentation Solutions, Solon, OH, USA. Theoretical research and proposals for discovery of new biologically active compounds; Development of new methodologies for bioinformatic analysis for future biosurfactant candidates; Theoretical justification for designing new qualitative analyses of biosurfactants; Preparation of research articles; Development of patent disclosures; Coordination of statistical justification of research and development project;

October 2018 – January 2020 Science and technology analyst. Locus Fermentation Solutions, Solon, OH, USA. R&D, writing of white papers, development of methods for fermentation, purification, and analysis of microbial secondary metabolites, writing of research papers.

September 2016 – present Community service. Consultation of children with autism. Coordination of the data collection from more than 150 children with autism, statistical analysis and interpretation of the data, writing of research articles, development of treatment regimens.

May 2017 – August 2017 Intern. Konrad Adenauer Stiftung AB Kazakhstan. Preparation of materials for presentations, books, publications, coordination of the trainings and conferences, collection and analysis of the statistical data

January 2017 – April 2017 Intern. Prime Minister's Office of the Republic of Kazakhstan. Writing of analytical papers, drafting of reforms on the republican level.

November 2016 – February 2017 Intern. European Union Project "Enhancing Criminal Justice in Kazakhstan". Kazakhstan Coordination of events, collection of information, translation, media reports.