



Jaguar Health Establishes World-Class Scientific Strategy Team to Support Newly Launched Mental Health Entheogen Therapeutics Initiative

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Team of advisors will guide strategic research to discover and develop potential novel, natural psychoactive prescription medicines derived from Jaguar's library of 2,300 plants

SAN FRANCISCO, CA / ACCESSWIRE / September 16, 2020 / Jaguar Health, Inc. (NASDAQ:JAGX) announced today the formation of a scientific strategy team (SST) to support the company's recently launched mental health Entheogen Therapeutics Initiative (ETI), which aims to discover and develop groundbreaking, novel, natural medicines derived from psychoactive plants for treatment of mood disorders, neurodegenerative diseases, addiction, and other mental health disorders. The newly appointed scientific strategy team consists of leading and globally renowned ethnobotanists, physicians, and pharmacologists as well as experts in the fields of natural product chemistry and neuropharmacology.

"We believe the wealth of expertise, experience, and commitment of our ETI scientific strategy team - comprised of multiple members of the original scientific strategy team that contributed to development of Jaguar's proprietary library of approximately 2,300 plants - will play an instrumental role in advancing our shared initial goal of identifying plants in our library that may have the potential to treat mood disorders and neurodegenerative diseases, such as Alzheimer's disease, Parkinson's disease, and amyotrophic sclerosis," said Steven King, Ph.D., Jaguar's chief sustainable supply, ethnobotanical research and IP officer. Mood disorders and neurodegenerative diseases affect hundreds of millions of people around the globe and represent classic unmet medical needs.

The scientific strategy team for Jaguar's Entheogen Therapeutics Initiative is comprised of the following members:

- **Michael J. Balick, Ph.D.:** Considered one of the world's leading ethnobotanists and economic botanists; specialist in healing plants and toxic plants and their use by Indigenous peoples; research associate of the Brain Chemistry Labs of the Institute of EthnoMedicine; member of original scientific strategy team that contributed to development of Jaguar's plant library.
- **Thomas Carlson, M.D., M.S.:** Ethnobotanist, botanist, physician; teaching professor of integrative biology at the University of California, Berkeley; member of original scientific strategy team that contributed to development of Jaguar's plant library; key architect of ethnomedical field research process conducted by ethnobotanist/physician teams of Jaguar predecessor company Shaman Pharmaceuticals.
- **Pravin Chaturvedi, Ph.D.:** Pharmacologist with specialty in neuropharmacology; chair of the Scientific Advisory Board of Napo Pharmaceuticals (Napo), Jaguar's wholly owned subsidiary, and the acting chief scientific officer of Jaguar; Over 25+ year career, led discovery and/or development activities for several new chemical entities including development of Napo's FDA-approved drug product, Mytesi® (crofelemer), the only oral plant-based prescription medicine approved under FDA Botanical Guidance.
- **Stephen Dahmer, M.D.:** Ethnomedical researcher and practicing integrative physician; expert on endocannabinoids who has conducted ethnomedical field research in tropical regions.
- **Wade Davis, Ph.D.:** Ethnobotanist, anthropologist, writer, and professor of anthropology at University of British Columbia; extensive international ethnobotanical field research.
- **Elaine Elisabetsky, Ph.D.:** Among world's leading ethnopharmacologists; professor in the pharmacology and biochemistry departments of the Universidade Federal do Rio Grande do Sul in Brazil; member of original scientific strategy team that contributed to development of Jaguar's plant library.
- **Maurice Iwu, Ph.D.:** President of Bioresources Development Group and founder of International Center for Ethnomedicine and Drug Development (InterCEDD) in Nigeria; member of original scientific strategy team that contributed to development of Jaguar's plant library.
- **Steven R. King, Ph.D.:** Ethnobotanist; Napo's chief sustainable supply and ethnobotanical research officer; managed Napo's original scientific strategy team and outcomes; research associate of the Brain Chemistry Labs of the Institute of EthnoMedicine.
- **Charles Limbach, M.D.:** Ethnomedical specialist and family medicine physician; member of original scientific strategy

team that contributed to development of Jaguar's plant library.

- **David Sesin, Ph.D.:** Natural product chemist; Jaguar's chief manufacturing officer; created isolation and manufacturing process for Mytesi (crofelemer).

"Jaguar is thrilled to be leading this effort to potentially uncover a pipeline of novel psychoactive plant-based compounds, engage with recognized leaders in this space, and share our findings with potential corporate partners with the goal of developing plant-based compounds into possible medical breakthroughs," said Lisa Conte, Jaguar's president and CEO. "While we remain steadfastly focused on the commercial success of Mytesi and on the development of crofelemer follow-on indications in the area of GI health, we believe the same competencies and multi-disciplinary scientific strategy that led to the development of crofelemer will support collaborative efforts to discover and develop novel first-in-class prescription medicines derived from psychoactive plants. I am particularly excited to bring back so many members of the original SST that led to the discovery and development of Mytesi, our plant-based, FDA-approved drug product."

About Jaguar Health, Inc. and Napo Pharmaceuticals, Inc.

Jaguar Health, Inc. is a commercial stage pharmaceuticals company focused on developing novel, plant-based, non-opioid, and sustainably derived prescription medicines for people and animals with GI distress, specifically chronic, debilitating diarrhea. Our wholly owned subsidiary, Napo Pharmaceuticals, Inc., focuses on developing and commercializing proprietary plant-based human gastrointestinal pharmaceuticals from plants harvested responsibly from rainforest areas. Our Mytesi® (crofelemer) product is approved by the U.S. FDA for the symptomatic relief of noninfectious diarrhea in adults with HIV/AIDS on antiretroviral therapy and the only oral plant-based prescription medicine approved under FDA Botanical Guidance.

For more information about Jaguar, please visit <https://jaguar.health>. For more information about Napo, visit www.napopharma.com.

About Mytesi®

Mytesi (crofelemer) is an antidiarrheal indicated for the symptomatic relief of noninfectious diarrhea in adult patients with HIV/AIDS on antiretroviral therapy (ART). Mytesi is not indicated for the treatment of infectious diarrhea. Rule out infectious etiologies of diarrhea before starting Mytesi. If infectious etiologies are not considered, there is a risk that patients with infectious etiologies will not receive the appropriate therapy and their disease may worsen. In clinical studies, the most common adverse reactions occurring at a rate greater than placebo were upper respiratory tract infection (5.7%), bronchitis (3.9%), cough (3.5%), flatulence (3.1%), and increased bilirubin (3.1%).

See full Prescribing Information at Mytesi.com. Crofelemer, the active ingredient in Mytesi, is a botanical (plant-based) drug extracted and purified from the red bark sap of the medicinal *Croton lechleri* tree in the Amazon rainforest. Napo has established a sustainable harvesting program for crofelemer to ensure a high degree of quality and ecological integrity.

Forward-Looking Statements

Certain statements in this press release constitute "forward-looking statements." These include statements related to the belief that the expertise, experience, and commitment of the ETI scientific strategy team will play an instrumental role in advancing the shared initial goal of identifying plants in Jaguar's library that may have the potential to treat mood disorders and neurodegenerative diseases, such as Alzheimer's disease, Parkinson's disease, and amyotrophic sclerosis, and the belief that the same competencies and multi-disciplinary scientific strategy that led to the development of crofelemer will support collaborative efforts to discover and develop novel first-in-class prescription medicines derived from psychoactive plants. In some cases, you can identify forward-looking statements by terms such as "may," "will," "should," "expect," "plan," "aim," "anticipate," "could," "intend," "target," "project," "contemplate," "believe," "estimate," "predict," "potential" or "continue" or the negative of these terms or other similar expressions. The forward-looking statements in this release are only predictions. Jaguar has based these forward-looking statements largely on its current expectations and projections about future events. These forward-looking statements speak only as of the date of this release and are subject to several risks, uncertainties and assumptions, some of which cannot be predicted or quantified and some of which are beyond Jaguar's control. Except as required by applicable law, Jaguar does not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise.

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