Center for Natural Products Research Pilot Awards

The Center for Natural Products Research (CNPR) is directed by Dr. Joseph Horzempa (West Liberty University) and represents a central focus for a group of network investigators at the lead and partner institutions examining the biological activity of natural products and their potential therapeutic benefit. CNPR projects focus on natural products that have chemotherapeutic potential for treating cancer or infectious disease. WV-INBRE has also established a relationship with the National Center for Natural Products Research at the University of Mississippi to facilitate access to natural products resources and establish collaborative interactions. WV-INBRE dedicates $120,000 yearly to fund up to two-year CNPR pilot awards of a maximum of $30,000 per year each. This level of support provides for at least four active awards each year. These projects can continue the development of preliminary data for larger projects or be new initiatives. Applicants must use the most recent NIH PHS 398 forms and complete all sections using the PHS 398 instructions. Requests for Proposals are released as needed to fulfill the number of available awards.

2019 Awards

Recipient	Institution	Project Title	Award
Dr. Ruhul Amin	Marshall University	Microbial extracts for the treatment of tobacco-associated malignancies	$30,000
Dr. Joseph Horzempa	West Liberty University	The mechanism of dillapiole for controlling Francisella growth during infection	$30,000
Dr. Piyali Dasgupta	Marshall University	Anti-neoplastic Activity of Capsaicin nanoparticles in SCLC	$30,000

2020 Awards

Recipient	Institution	Project Title	Award
Dr. Ruhul Amin	Marshall University	Chemoprevention of head and neck cancer by the combination of EGCG and resveratrol	$30,000
Dr. Monica Valentovic	Marshall University	Natural product reduction of cancer chemotherapy renal cytotoxicity	$30,000
Dr. Yi Charlie Chen	Alderson Broaddus University	The effect of chakasaponin on ovarian cancer cell arrest	$30,000