

PIONEERS IN BIOMEDICAL RESEARCH SEMINAR

Presented by the Fralin Biomedical Research Institute at VTC and co-sponsored by the institute's Center for Vascular and Heart Research



In Person Seminar: Development of Cardiac Biorhythmicity

Cardiac pacemaker cells initiate the electrical impulses that drive rhythmic contraction of the heart. Current research goals in Dr. Bressan's laboratory are aimed at determining how cardiac pacemaker cells sense, interpret, and respond to their local microenvironment during the embryological stages when they begin interacting with large populations of contractile cardiac muscle. Specifically, his lab seeks to understand: i) the electrophysiological transitions through which pacemaker cells mature, ii) how these cells synchronize their behavior across multiple spatial scales, iii) the morphogenetic events that balance pacemaker cell electrogenic interactions with the remainder of the heart, and iv) development concepts that can be leveraged to create cellular-based therapeutics for potential correction of human cardiac disease.

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FRIDAY, DEC. 10, 2021 at 11:00 a.m.

Room G101A-B, 4 Riverside Circle. Registration required to attend in person at <http://fralinbiomed.info/bressan-seminar>. Masks must be worn. Watch live via Zoom at <https://virginiatech.zoom.us/j/82722436593> or at <https://fbri.vtc.vt.edu/events/live-webcast.html>.



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