Department of Medicine
Grand Rounds
Invites All Medical Professionals and Health Care Workers to Attend

Tuesdays at 12:00 Noon
Sparrow Hospital Auditorium
November 21, 2017

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"A Biological Rosetta Stone: The Roles of Stem Cells, Cell-Cell Communication, Collision of Biological & Cultural Evolution, and the Induction of Cancer and Other Chronic Diseases"

James E. Trosko, PhD, Professor Emeritus
Center for Integrative Toxicology
Department of Pediatrics/Human Development
College of Human Medicine
Michigan State University

Lunch Provided

Objectives: At the end of the presentation, the audience will be able to:
1. Recognize that human stem cells, which can divide either symmetrically or asymmetrically, together with two forms of cell-cell communication, regulate homeostatic control of (a) cell proliferation, (b) differentiation; (c) apoptosis; (d) senescence, and (e) adaptive response of terminally differentiated cells.
2. Distinguish that adult organ-specific stem cells exist in all our organs.
3. Explain that mutations or epigenetic changes in these stem cells can contribute to birth defects, virtually all chronic diseases, including cancers and aging.

Summary of Financial Disclosure: All planners, reviewers and presenters have nothing to disclose. Commercial Support: No commercial support provided.

Accreditation Statement: Michigan State University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Michigan State University designates this live activity for a maximum of 1 AMA PRA Category1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Sparrow Health System is accredited by the American Osteopathic Association to provide osteopathic continuing medical education for physicians.

The Sparrow Health System designates this program for a maximum of 1.0 of AOA Category 2-A credits and will report CME and specialty credits commensurate with the extent of the physician’s participation in this activity.