

CERM 2013 Program Changes

Symposium on Silicon Science and Technology I (*Thursday morning*)

Education & Human Services Bldg. (EHS)

French Auditorium

G. Lu, *Organizer, Presiding*

9:45 109. Porous silicon particles for drug delivery. **B. Godin** (*additional abstract*)

Biana Godin, Department of Nanomedicine, The Methodist Hospital Research Institute, 6670 Bertner St, MS R7-122, Houston, Texas, 77030

The administration of carriers tailoring therapeutic agents specifically to the disease loci has emerged as a striking, higher therapeutic index treatment modality aimed at personalization of cancer therapy. We developed a multistage nanocarrier system that integrates several rationally designed nanovectors acting in a synergistic fashion. This multistage porous silicon nanovector (MSV) is based on the biodegradable nanoparticles rationally designed to tailor the diseased vasculature through optimized margination towards the walls of the tumor blood vessels. In this talk, the importance of MSV design in terms of nanovector geometry and covalent/non-covalent attachment of tumor microenvironment targeting moieties to the surface of MSV, aiming therapeutics preferentially accumulating in the tumor site, will be discussed.

Poster Session: Advances in Teaching College Chemistry (*Friday morning*)

ET Building

ET Hallway

D. Baker, J. Tomasik, B. Fahlman, *Organizers*

8:30 - 10:30

135. Comparing the longitudinal impacts of three formats of Michigan State University general chemistry courses. **R. Tauscher**, R. Sweeder (*time change from Thursday to Friday*)

291. Get involved with the ACS Division of Chemical Education. **D. Zimmerman** (*late addition*)

Doris Zimmerman, Steering Committee member from the Penn Ohio Border Section

Want to know more about the Division of Chemical Education, learn how you can get more involved with DivCHED, learn about educational resources for chemistry, find out how to apply for travel awards, or meet and network with people from your region, nationally, and around the world who have similar interests? The Division of Chemical Education aims to serve as a means of focusing and enhancing the interest and efforts of all constituencies involved in the teaching and learning of chemistry at every level. If you have an interest in chemistry education, we want you involved in DivCHED. Come visit our poster to learn more about the Division and all we have to offer, meet representatives from the Division, and let us know what you think the Division can do to better meet the needs of our members.

Re-examining Water Fluoridation (*Friday afternoon*)

ET Building

ET 138

K. Ling, *Organizer*

287. Fluoride in drinking water is now more harmful than beneficial: a dental researcher's perspective. **H. H. Limeback** (*title correction*)