



FIRST Newsletter
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Chapman University Orders METAJET for Drug Discovery Research

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Chapman University is a 150-year-old independent institution of liberal arts and professional education whose mission is to *provide personalized education of distinction that leads to inquiring, ethical, and productive lives as global citizens*. The mission of Chapman is expressed through central commitments to personalized education, spiritual growth and moral education, and a professional and liberal arts curriculum fostering independent and critical thinking, reflection on personal values and ethics, contextualizing one's self within diverse, global perspectives, and a lifelong passion for learning.

Chapman University School of Pharmacy (CUSP) is Orange County, California's first School of Pharmacy. The vision of CUSP is to enhance health delivery and the biopharmaceutical and biomedical sciences by developing leading health care pharmacy practitioners and scientists who have a deep scientific foundation, a passion for human health improvement and the caring concern needed to make a difference in people's lives. We will conduct education and research in the pharmaceutical sciences which lead to Doctor of Pharmacy (PharmD), Masters (MS) and eventually Doctors of Philosophy (PhD) degrees in the Pharmaceutical Sciences.

Chapman University, located in the City of Orange in Orange County, California, has opened a new

Health Care Graduate Program Campus in Irvine, California to house multiple current and planned professional health degree and graduate research programs occupying three buildings near the Irvine Spectrum. The School of Pharmacy is currently recruiting world class researchers and educators to build the program that will not only develop graduates and conduct basic and practical research, but will also provide research support services to the local health care delivery and the biomedical/ pharmaceutical discovery and manufacturing industry.

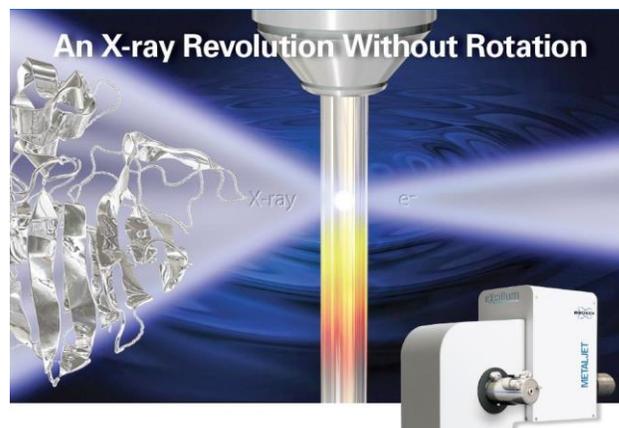


[Chapman University School of Pharmacy \(CUSP\)](#)

In pursuing the school's mission, tens of millions will be spent on equipment and laboratories to develop the drug discovery and basic science research agenda which will support the University's desire to build national recognition in research. All students

will be engaged in a research experience before they graduate. Faculty and staff familiar with world class research instrumentation have worked with Bruker in the past on imaging and drug characterization technologies including NMR, MALDI mass spectroscopy, Maldi Imaging, Single Crystal Diffraction (SCD), Imaging FTIR and preclinical animal imaging. We have arranged to develop a center of excellence in these areas with Bruker's help. Our goal is to make our school unique in many ways so that we can continue the excellence trajectory Chapman University has come to be known for in its various programs.

In planning our research we sought a focus for our investigation related to targeted drug delivery and support of pre-clinical studies within the local industry. In prioritizing, we sought instrumentation that would deliver our faculty and research partners capabilities they might not otherwise be able to access. Our plans brought us to look at Bruker's Gallium [METALJET](#) X-ray Source (SCD) and complementary MALDI TOF, FTIR instruments that could be our flagship resources.



[**METALJET – Liquid gallium metal jet X-ray source for structural biology**](#)

Already opening the school with nearly \$3M in supported research this next year, and adding the latest leap in technology in these areas for instruments seems to have worked! We have attracted additional world class researchers and students interested in pursuit of these areas of science. Our center will soon be equipped with both instrument and personnel resources that can provide extraordinary results for our research purposes and in support of local industry and academe.