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BioCoR: Preservation of fluid biospecimens, short course update, and more

1 message

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BioCoR Newsletter November 2010

Dear Allison,

Welcome to the December newsletter of BioCoR. We will discuss preservation of fluid biospecimens and give you updates on the short course.

As always, your comments are very important to us. We expect to see you at www.biocor.net.

BioCoR is a national resource focused on advancing the science, technology and practice of biospecimen preservation. We are dedicated to developing biopreservation protocols, improving preservation and storage technologies, establishing standards and guidelines and training individuals and institutions in the science and technology of biopreservation.

More information can be found on the **BioCoR** website: www.biocor.net. Or you may contact us now at biocor@me.umn.edu

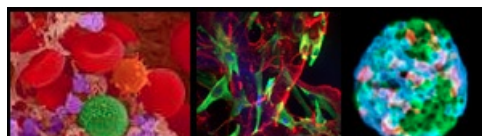
Preservation of fluid biospecimens

BioCoR Summary: preservation of fluid biospecimens

Fluid biospecimens (plasma, serum, urine, bronchial lavage fluid, saliva, CSF) contain not only cells (the blood cells in plasma and serum as well as exfoliated cells) and sub-cellular components but also proteins, enzymes, lipids, metabolites and peptides, which are utilized as biomarkers. Availability of high quality biospecimens is a requirement for biomarker discovery, and to ensure high specificity and sensitivity of the discovered biomarkers. Currently, millions of fluid biospecimens are stored in hundreds of biorepositories across the nation (in freezer-farms). The success of biomarker research not only depends upon the availability of the tools (proteomic, peptidomic, lipidomic and metabolomic technologies) to extract information from biospecimens, but also on the availability of "high quality" biospecimens. In the summary located in the BioCoR [library](#), the biofluid (serum, plasma, urine, saliva CSF fluid and BALF) are described and the influence of freezing/storage conditions on specific biomarkers described.

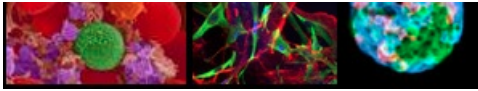
Please let us know if we have missed an article ([contact BioCoR](#)). This summary will be updated regularly as more studies are published or more articles are found so please check the library regularly.

Preservation of molecular, cellular and tissue biospecimens



Mark your calendar!!

Preservation of molecular, cellular and tissue biospecimens
 May 23-25, 2010



Please join us for our seventh offering of this important short course that has been attended by people from all over the world (North America, Asia, Europe, etc). The course covers a full range of topics related to preservation: liquid storage/short-term preservation, fundamentals of preservation, mechanisms of damage, preservation protocol development, repository design and facility design, regulatory issues, preservation in a clinical context, quality for preserved samples and more.

This course is appropriate for managers for biorepositories and cell therapy laboratories, technicians who preserve biological samples as a part of their daily routine, scientists involved in biomarker discovery or use, developers of therapies based on molecules, cells or tissues, biotechnology companies, regenerative medicine companies, tissue banks, and more.

Online registration will be available in January 2011.

Last year, the course was endorsed by ISBER and we will be applying once again for endorsement. We will also be seeking continuing medical education credits for the course. We will keep you updated as to the status of those developments.

Sponsors: We are actively looking for corporate sponsors of the short course. If you are interested in sponsorship, please contact us at biocor@me.umn.edu

Exhibits: Short course attendees are eager to learn of the available products, equipment and services that can be used to support their preservation needs. Companies may also exhibit their products. Please contact us at biocor@me.umn.edu if you are interested in exhibiting at the short course.

Positions available

Be involved in exciting research with BioCoR faculty. Several research positions are available for both graduate students and postdoctoral associates. More information can be found at [position announcements](#)

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