



**Laboratory for Biological Mass Spectrometry**  
Department of Chemistry  
Texas A&M University  
PO Box 30012  
College Station, Texas 77843-3012

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Dr. David H. Russell, Director

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## **Application for Collaborative Research**

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The Laboratory for Biological Mass Spectrometry (LBMS) was established to promote collaborative interactions between developmental mass spectrometry research programs and the mass spectrometry users. Mass Spectrometry provides accurate molecular weight determinations for almost any class of biological compounds and can be used for structural characterization of biomolecules. Because many of these experiments are time intensive and instrumentally complex, the LBMS provides several mechanisms whereby research programs can gain access to the research instrumentation. Activities that require methods development and will likely yield publishable analytical data, are targeted for collaborative projects, whereas more routine analyzes are performed on a service/fee basis.

Mass Spectral analysis based on electron impact (EI) and chemical ionization (CI) are routine and are handled on a service/fee basis. On the other hand, some analyzes that require atmospheric pressure-CI, electrospray ionization (ESI), and/or matrix-assisted laser desorption ionization (MALDI) requires methods development. In cases where the methods development is extensive, it is possible for this to be handled on a collaborative basis, esp., if the method may be broadly applicable to other LBMS users.

If you are interested in utilizing MS in your research endeavors, we encourage you to contact the LBMS personnel. We can also provide you with detailed information how mass spectrometry can be used most effectively to solve your research needs. To apply for a collaborative project, please complete the following sections of this form. The requested information will allow us to evaluate possible applications of MS to the project and will be used for annual funding reports.

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Projects approved for collaboration will receive a project number. This project number must be included on all sample submission forms in the account number space. A separate submission form must accompany all samples. Sample submission forms may be obtained by request from the LBMS.

### **LBMS USE ONLY:**

Principal Investigator \_\_\_\_\_ Project Approval Date \_\_\_\_\_  
PI College or Business \_\_\_\_\_ Project Number \_\_\_\_\_  
PI Department \_\_\_\_\_  
Approved by \_\_\_\_\_ Date \_\_\_\_\_

\*\*\*NOTE- It is the **responsibility** of **all** users to appropriately acknowledge data provided by the LBMS and to provide reprints of articles containing data provided by the LBMS. (See attached LBMS Acknowledgement Policy)

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## Section I

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**TITLE:** Provide a descriptive project title of less than 100 characters

**PROJECT DESCRIPTION:** Provide description (250 words or less) of the proposed research with particular emphasis on how mass spectrometry will be utilized in the study

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## Section II

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### INVESTIGATOR INFORMATION

**1) Principal Investigator-** The PI is the responsible person supervising both the scientific and financial aspect of the research project.

\_\_\_\_\_  
Mr/Ms/Dr.                      First Name                      MI                      Last Name                      Degree

\_\_\_\_\_  
Position/Title                      Department                      Institution

\_\_\_\_\_  
Telephone                      Fax                      email

\_\_\_\_\_  
Address                      Mail Stop                      City                      State                      Zip Code

PI Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**2) Co-Investigators** – List additional collaborative investigators cited on the funded projects (additional pages may be attached)

\_\_\_\_\_  
Mr/Ms/Dr.                      First Name                      MI                      Last Name                      Degree

\_\_\_\_\_  
Position/Title                      Department                      Institution

\_\_\_\_\_  
Telephone                      Fax                      email

\_\_\_\_\_  
Address                      Mail Stop                      City                      State                      Zip Code

**Associate Research Personnel** – include all persons associated with and authorized to request services.

<b>First Name</b>	<b>MI</b>	<b>Last Name</b>	<b>Degree</b>	<b>Signature</b>

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**Section III**

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**FUNDING SOURCES**

List sources of federal support for the above listed principal and co-investigator(s) that are relevant to this project.