

ABSTRACT PREPARATION INSTRUCTIONS

An abstract may present new information or information that has already been published or presented at another meeting. Authors submitting abstracts containing information possibly relating to patent matters should make note of this point.

ABSTRACT SUBMISSIONS

Abstracts must be e-mailed as a word file attachment to sherry.swift@ttu.edu and a registration form must be submitted to the office of Associate Dean for Research and the Graduate School, 2B106 TTUHSC, Lubbock, TX 79430 by 12:00 pm, Tuesday, January 20, 2006. **No submissions will be accepted after the deadline.**

1. **In addition to the typed abstract, a copy of the abstract must be submitted on a 3.5" Computer Floppy Disk or CD. All disks will be returned promptly with an event packet.**
2. The first author of the abstract must have completed the research, prepared the poster, and presented the poster. Co-presenters must be in the same category, and will share equally in the scholarship, if any, awarded to that poster.
3. A poster presentation must be made for each abstract.
4. A presenter may submit only one Abstract and, therefore, put up only one poster at the event.
5. The abstract should contain a concise statement of
 - the problem under investigation or the hypothesis to be tested
 - the experimental method used
 - the essential results obtained (specific findings must be included; broad generalizations or the promise "to be completed" are not acceptable) in summary form
 - conclusions (Statistical analysis should be used when appropriate to the conclusions. Do not state, for example, "The results will be discussed.")
6. Abstracts will be accepted for presentation on the basis of the merit of the data presented in the abstract, interest, timeliness, and likelihood of their stimulation of discussion. **Incomplete or improperly executed abstracts and unsigned abstracts will be rejected.** The decision of the Program and Planning Committee regarding accepted and rejected abstracts is final.
7. The Program and Planning Committee reserves the right to not make give a scholarship in any category of poster presentation in which the number of entries is too low for a meaningful competition, or the quality of the poster is judged inadequate. There must be a minimum of 3 entries in each category in order for a scholarship to be given.

POSTER PRESENTATIONS

Accepted abstracts will be assigned to a poster session. Full instructions on the preparation and presentation of the poster will then be sent to the authors.

Posters must be in place by 5:00 p.m., Tuesday, February 13, 2006.

Posters not in place by the above time will be DISQUALIFIED- No exceptions.

POSTER JUDGING

If the abstract is accepted, the first author is expected to give a 15-minute presentation of the abstract to the judges and to attend the conference. Judging will take place February 14-15, 2006.

FORMAT:

Please read all instructions carefully before preparing your abstract.

Please use Times New Roman font, 12pt. preferred, but 10 pt. or 8pt. font will be accepted provided the abstract will fit with in the provided box.

TITLE. Use a short and concise title that indicates the content of the abstract. Capitalize the first letter of each word except prepositions, articles, and species names. Underline scientific names of organisms.

AUTHORS AND INSTITUTIONS. Authors' names should be typed in CAPITAL letters. Place an asterisk (*) after the name of the author presenting the paper. Each author should be listed by institution, department, division, etc.

Use the sample shown below as a guide for style and spacing when typing the abstract.

Abstract text must fit within the box.

SAMPLE ABSTRACT

Development of an Ectopic Site for Islet Transplantation, Using Biodegradable Scaffolds.

DUFOUR JM*, RAJOTTE RV, ZIMMERMAN M, REZANIA A, KIN T. DIXON DE, KORBUTT GS. Surgical-Medical Research Institute, University of Alberta, Edmonton, AB, Canada., Department of Surgery, University of Alberta, Edmonton, AB, Canada.

Clinical islet transplantation in liver has achieved normoglycemia. However, this site may not be ideal for islet survival. To create a more optimal site for islet transplantation, we have developed a construct with biodegradable scaffolds. Islets were seeded in scaffolds and transplanted into the epididymal fat pad of diabetic BALB/c mice. Controls included islets transplanted underneath the kidney capsule or into the fat pad without scaffolds. All animals with islets in scaffolds or the kidney became normoglycemic and maintained this metabolic state. When islets were transplanted without scaffolds the time to achieve normoglycemia was significantly increased and less than 45% of mice survived. An oral glucose tolerance test was performed on the scaffold and kidney groups with similar blood glucose levels and area under the curve values between the groups. Grafts were removed at more than 100 days posttransplantation and all animals became hyperglycemic. There was no significant difference in insulin content between the grafts and all grafts were well vascularized with insulin-positive beta cells. Therefore, islets in scaffolds function and restore diabetic animals to normoglycemic levels, similar to islets transplanted underneath the kidney capsule, suggesting scaffolds can be used to create a site for islet transplantation.