DISCOVERY SCIENCE Grant Applications DUE 11/5/2018

Who can apply?

Applicants should be performing scientific and/or medical research in the state of Minnesota. Principal Investigators can be at any professional rank. Like the NIH, RMM believes that early stage investigators bring fresh ideas to existing research problems and help pioneer new areas of investigation. RMM will make funding decisions that ensure the success rates for early stage investigators are comparable to the success rates on similar applications from established investigators.

What kind of research is being funded?

RMM seeks a diverse portfolio of research projects that focus on optimizing the body's own ability to heal. Relevant fields include cell and developmental biology, regenerative pharmacology and immunology, medicine and surgery, biotechnology, bioengineering, genetics, and other fields that develop ways to replace, restore, or regenerate damaged or malfunctioning cells, tissues, and organs to help people return to better health. RMM has special interest in broadening the portfolio of research that can help relieve chronic disorders that strongly impact patients and health care costs in Minnesota, for example, kidney disease requiring dialysis, chronic obstructive pulmonary disease (COPD), and diabetic and other non-healing wounds (see *Chronic Conditions in Minnesota*: http://www.health.state.mn.us/divs/hpsc/hep/publications/costs/20160127_chronicconditions.pdf).

Are there restrictions on the awards?

Yes:

- Funding must remain primarily in Minnesota.
- If the principal investigator of the grant leaves the institution where the award is funded, unused funds will revert to RMM.
- Awarded funds must be used for the purpose described in the application and cannot be transferred to translational or clinical research.

What criteria are used to evaluate the applications?

Consider these when writing the proposal:

1) *The quality of the science.*
    a. Importance of potential knowledge to the field of regenerative medicine.
    b. Robustness of experimental plan and data analysis.
    c. Strength of preliminary data (if applicable).
    d. Exploration of potential problems and alternative directions.
    e. Innovation impact – introduction of new methods, technologies, etc.
2) *The adequacy of the resources to successfully conduct the research plan.*
    a. Track record or potential of principal investigator.
    b. Collaborators and co-investigators are appropriate to the project (if applicable).

c. Facilities and institutional support are in place to contribute to the success of the experimental plan.
d. Budget is realistic for the scope of the proposed project.

What else should applicants know?

- For questions, please go to www.RegenMedMN.org, Frequently Asked Questions page. If you can't find the answer there, email: RegenMedMN@gmail.com
- Maximum request is $125,000 per year, total of $250,000 for a two-year grant.
- Maximum grant period is two years, with the second year of funding contingent on demonstrated adequate progress in year one.
- Applications can have only one principal investigator (PI).
- PIs can only hold one RMM research grant at a time.
- The PI is responsible for obtaining approvals from all regulatory agencies (e.g., Institutional Animal Care and Use Committee). A copy of the approval document(s) will be required prior to the release of funding.
- Avoid overlap with other proposals.
- Awards will be announced January 21, 2019.

How do I apply?

The application form can be found online at www.RegenMedMN.org, "Apply for a Grant". Please review the questions below. Before starting the online application form, have the answers and a single pdf file of the proposal ready.

1. ***Principal Investigator Information*** *(Responsible Party; there can only be one principal investigator)*
   a. Investigator's name
   b. Investigator's degree(s)
   c. Based on the NIH guidelines, is the Investigator an Early Stage Investigator? (see https://grants.nih.gov/grants/new_investigators/investigator_policies_faqs.htm)
   d. Investigator's position at institution
   e. Investigator's email
   f. Investigator's phone number
   g. Investigator's mailing address
2. ***Institution Information*** *(responsible for receiving and disbursing grant funds)*
   a. Institution name
   b. County in which institution is located
   c. Financial Contact name (usually an accountant)
   d. Financial Contact email
   e. Financial Contact phone number
3. ***Grant Information***
   a. Title
   b. Scientific subject of proposal (e.g., kidney disease, cartilage replacement, etc.)
   c. Names of Co-investigators (separate names with commas)

d. Names of Collaborators (separate names with commas)
e. Does this proposal contain privileged information or material that is personal, proprietary or otherwise exempt from disclosure under law?
f. If awarded, how many new jobs will be created by the grant project? (can be zero)
g. Goals (3-5 sentences describing the goals of the project in lay language).

4. Budget Information

a. **Direct** costs requested
b. **Indirect** costs requested (see: https://oamp.od.nih.gov/dfas/indirect-cost-branch/indirect-cost-submission/indirect-cost-definition-and-example. These should be included in the budget at the established NIH-negotiated rate or, in the absence of a federally-negotiated rate, at 10%.)
c. **Total** costs requested (*combined direct and indirect costs* must be ≤$250,000/year)
d. Start date requested (between March 1, 2019 and May 30, 2019)
e. Length of grant (one year or two)

5. Scientific Proposal

Proposals must use 1" margins on all sides, 12 pt Arial font, and a minimum of single line spacing. Please include PI name and page number in footer. Please do not include any letters of support. In order to make the grants easier to review, please follow the format given below and upload as a single pdf file in the following order:

Page 1 **Abstract**	Introduction and overview: include the problem(s) to be investigated and how the aims, if achieved, are of significance to regenerative medicine. Preliminary data (if applicable).
Pages 2-7 **Research Plan**	1) Specific aims. 2) Approach. 3) Contributions of co-investigators and collaborators (if applicable). 4) Data interpretation plan. 5) Identification of potential problems and alternative strategies. 6) Milestones/deliverables for each specific aim at annual reporting points.
Page 8 **References**	Maximum of 20 references.
Page 9 **Resources**	Description of resources.
Page 10 **Budget**	Budget outline, please use format given on page 4.
As needed **Biosketches**	Current NIH-format biosketch for each investigator (max 5 pages each).

Important Note: RMM is state funded and subject to the Freedom of Information Act (FOIA).
A proposal that results in an RMM award will be available to the public on request, except for privileged information or material that is personal, proprietary or otherwise exempt from disclosure under law. Please highlight information that you feel should be withheld from public disclosure to the extent permitted by law, including the Freedom of Information Act. Without assuming any liability for inadvertent disclosure, RMM will seek to limit disclosure of such information to its employees and to outside reviewers when necessary for merit review of the proposal, or as otherwise authorized by law.

Add lines as needed, limit to one page

Budget Template **PI Name**

Personnel	**Year 1**		**Year 2**	
Name	**Effort**	**Salary & Fringe**	**Effort**	**Salary & Fringe**
Other Direct Costs				
Supplies				
Services				
Travel				
Total Direct Costs				
Indirect Costs (% by institution)				
TOTAL COSTS				

Justifications for budget items:

Explanation of overlap (if applicable):