

Proposal for Forming an IAA Study Group SG 2.9

Title of Study: International Standards for Bed Rest Studies

Proposer(s): P. Sundblad

(Must be member(s) of the Academy)

Primary IAA Commission Preference: Commission 2- Space Life Sciences

(From Commission 1 to Commission 6)

Secondary IAA Commission Interests:

(From Commission 1 to Commission 6)

Members of Study Team

Chair(s): P. Sundblad, O. Orlov

(Must be member(s) of the Academy)

Secretary: D. Francisco

Other Members:

(Open to non- members of the Academy)

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Short Description of Scope of Study

Overall Goal: To define and agree internationally, standard conditions and basic, standard measurements for space flight related bed rest studies.

(Expected scientific or practical benefit of the study group's efforts)

Intermediate Goals: To exchange and analyse existing standards for bed rest studies of different agencies; identify differences and clarify rationales for them; identify approaches to standardized measurements between the agencies; through study group meetings, possibly in conjunction with IAA/IAC symposia, attempt to describe a set of standard conditions and measurements that increase comparability and overall level of quality for bed rest study results. Prepare descriptive report, as well as a "requirements checklist" to evaluate a given bed rest study against the internationally agreed standards. Present the study outcome at scientific symposia.

Methodology:

(Email works, workshops, stand alone conferences, interim publications, etc.)

Exchange relevant existing pre-work by various agencies/entities. Further discussion by email. 2-3 dedicated study group meetings, tentatively one for general bed rest condition discussion, one for standard measurement discussion, possibly a final one to conclude on the final consensus for the standards.

Time Line: Work to be performed in 2009 and 2010, with meetings once every half year as required.

(Cannot exceed three years)

Final Product (Report, Publication, etc.): A report describing internationally agreed standard conditions and standard measurements for space related bed rest studies. Annex to this, a "requirements checklist" to evaluate a given bed rest study against the internationally agreed standards. Publication foreseen in Acta Astronautica.

Target Community: IAA, space agencies, anyone in the space life science community who intends to perform bed rest studies.

Support Needed: Possibly space on program at IAA-sponsored scientific conferences; meeting room at such IAA conferences;

Potential Sponsors: IAA; involved space agencies.

To be returned to the IAA Secretary General Paris

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Date:

(No Signature required if document authenticated).