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**AGREEMENT
ON SCIENTIFIC COOPERATION
BETWEEN
INDIAN NATIONAL SCIENCE ACADEMY (INSA)
AND
SCIENCE FOUNDATION IRELAND (SFI)**

In the context of the growing importance of Science and Technology for economic and social development and desiring to promote an increased level of collaboration between scientists of the two countries, as set out in the agreement on scientific and technological cooperation between the Government of the Republic of India and the Government of Ireland, the Indian National Science Academy (hereafter referred to as INSA) and Science Foundation Ireland (hereafter referred to as SFI), have agreed as follows:

1. Both parties have agreed to promote mutual bi-lateral co-operation between India and Ireland in world class scientific research in the areas of Biosciences & Bioengineering and Information and Communication Technologies. INSA and SFI will encourage direct cooperation between scientists for the solution of scientific problems of common interest.
2. In this context the following specific areas may be considered for co-operation:

- Biosciences and Bioengineering:

- Agri-food
- Immunology
- Neuroscience
- Sensory devices
- Cell Biology/Cell Cycle/Apoptosis/Structural biology
- Micro Biology
- Bioinformatics/Systems Biology

- Information and Communications

Software

- Networking and Communications Systems
- Information Systems
- Software Engineering and Artificial Intelligence
- Knowledge and Web based Systems
- Machine Translation
- Modelling and Visualisation



Hardware

- Nanotechnology
- Integrated Circuits and Semiconductors
- Photonics
- Storage
- Transmission Systems
- Advanced Manufacturing Technology

Further areas may be added to this list at any time by mutual agreement between the parties.

3. The co-operative activity will be undertaken within the Scientific remits and budgetary appropriations of both sides. INSA and SFI will each use their own assessment and funding mechanisms for proposals for collaborative activity.
4. Responsibility for the promotion and co-ordination of collaboration in individual areas of science will be delegated by the two parties to the key contact points on both sides which are to be communicated to the signatories of this agreement.
5. Nothing in this agreement will be construed as limiting Collaboration between scientists of the countries in areas not presently identified.
6. INSA and SFI will promote direct cooperation, where it is likely to be advantageous to both appropriate organizations through:
 - Exchange of Scientific information through: lectures/workshop/conferences; technical data; publications and documents.
 - Exchange of Scientists and joint research proposals/projects where appropriate.

The two parties recognize that, as a first step, a practical means of initiating collaboration between scientists of the two countries is provided by holding meetings of equal numbers of active researchers from each side alternately in India and Ireland. Such meetings are known as INSA-SFI workshops; the normal process of financing such discussions will be that the host country pays in-country expenses, the partner being responsible for international travel costs.



7. The two parties undertake to encourage other forms of collaboration, including individual outgoing and incoming visits by leading scientists and joint research in areas or subjects identified as a priority by scientists of both sides. Such collaboration can be based on the relationships built by N+N meetings, or on other established relationships.

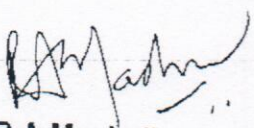
8. INSA and SFI should play the following roles:

- i. To identify priority areas for co-operation, in addition to those listed in paragraph (1), in consultation with each other, and taking into account both academic and financial feasibility.
- ii. To establish the framework of co-operation for each selected area (key institutions, key persons, forms of co-operation, financing etc.).
- iii. To review on-going programmes and consult each other about the continuation,
- iv. Initiation or termination of co-operative programmes. This review and consultation will be carried out biennially by the points of contact.
- v. To maintain close exchange of information between each other.
- vi. To ensure that the co-operation will bring real benefits to the development of science and engineering in both countries.

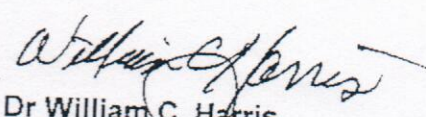
9. The parties hereby agree to review the operation of this Agreement within 2 years of the date of signature and every 2 years thereafter. Such review would be initiated by a report by each signatory on activities during the period and completed by a meeting between the parties.

Signed, this day on 19 January 2006 in India in two originals in English Language.

For Indian National Science Academy
Ireland


Dr R A Mashelkar
President

For Science Foundation


Dr William C. Harris
Director General