

Research Grants 2002

Space Research

Main applicant, affiliation	Dnr	Project title	Amount 2002*
André Mats , IRF, Uppsala	95/01	Research in Space Plasma Physics	3 268
Barabash Stanislav , IRF, Kiruna	80/01	Plasma physics of the solar system	3 348
Belitsky Viktor , Chalmers	70/01	FIRST HIFI Beam Measurement Range (previously "Study and Development of Prototype Quasi Optics for FIRST Heterodyne Instrument")	2 470
Bengtsson Stefan , NRM	143/00	Microanalyses of microfossils on Earth - Preparation for ancient Earth studies for sample return from Mars	438
Bergvall Nils , Uppsala University	92/01	Galaxy formation and cosmic reionization	78
Brenning Nils , Alfvén Lab., KTH	93/01	Diagnostic and modelling in the VASIMR plasma rocketed prototype	130
Carlson Per , Physics, KTH	84/01	Astroparticle physics in space	681
Edvardsson Bengt , Uppsala University	138/00	Boron in the Early Galaxy and the History of the Sun	176
Eriksson Kjell , Uppsala University	139/00	Studies of stellar atmospheres using satellites	293
Fransson Claes , Stockholm University	107/01	Supernovae	312
Goobar Ariel , Stockholm University	72/01	Feasibility studies for the SNAP satellite	104
Hjalmarson Åke , Onsala Space Observatory	88/01	Odin - Astronomy	2 048
Holm Nils , Geology & Chemistry, Stockholm University	75/01	Synthesis and characterisation of peptides encoded by self-assembled monolayers on nucleic acid bases adsorbed on mineral surfaces: Relevance to pre-RNA information processing and the origins of life	590
Johansson Sveneric , Lund University	85/00	Participation in space observations and evaluation of data from HST	416
Lindegren Lennart , Lund University	117/00	Astrophysical space using Hipparcos and GAIA	1 060
Lundstedt Henrik , IRF, Lund	101/01	The Science of Space Weather: Modeling and Forecasting	325

Main applicant, affiliation	Dnr	Project title	Amount 2002*
Marklund Göran , Alfvén Lab. KTH	69/01	Research in Space Plasma Physics	3 955
de Mello Duilia F. , Onsala Space Observatory	76/01	From Local Starbursts To The Distant Universe	78
Merkel Harald , Chalmers	78/01	Superconducting Mixer receivers for the Herschel Payload	1 430
Murtagh Donal , Chalmers	82/01	Global Environmental Measurements	1 918
Olofsson Göran , Stockholm University	108/01	Experimental space research for studying star formation and the interstellar medium	3 392
Opgenoorth Hermann , IRF, Uppsala	127/00	Magnetospheric Physics using CLUSTER, other ISTP Satellite missions and Ground-Based Instrument Works	670
Rickman Hans , Uppsala University	98/01	Studies of small bodies in the Solar System	646
Sandahl Ingrid , IRF, Kiruna	81/01	Terrestrial magnetospheric physics.	1 845
Schweitz Jan-Åke , Ångström Lab, Uppsala University	100/01	NanoSpace 1	**
Stasiewicz Kristof , IRF, Uppsala	96/01	Analysis and Visualization of Satellite Measurements	481
Stegman Jacek , MISU	91/01	Studies of the middle atmosphere	1 983
Svensson Roland , Stockholm University	106/01	High Energy Astrophysics	897
Thidé Bo , IRF, Uppsala	97/01	Nano-Satellite Technology	**
Östlin Göran , Stockholm University	105/01	Galaxy Evolution as viewed with the Hubble Space Telescope	78

Research under Microgravity

Main applicant, affiliation	Dnr	Project title	Amount 2002*
Brenning Nils , Alfvén Lab., KTH	94/01	Dusty Plasmas in Microgravity	273
Carlberg Torbjörn , Mid Sweden University, Sundsvall	115/00	Crystal Growth during Microgravity	644
Fjellstedt Jonas , KTH	85/01	On the formation of metallic foams in iron-base alloys	78
Kronberg Bengt , Institute for Surface Chemistry	111/00	Development of advanced foams under microgravity - metal foams	72
Kronberg Bengt , Institute for Surface Chemistry	86/01	Investigation of foaming mechanisms in transient foams under microgravity conditions	208
Linnarsson Dag , Karolinska Institutet	142/00	Pulmonary and cardiovascular effects of gravity and weightlessness	1 716
Tesch, Per , Karolinska Institutet	31/01	Resistance training using fly-wheel technology for crew stationed in space	325
Tesch Per , Karolinska Institutet	103/01	A resistive exercise paradigm for use in space	910
Total*** sum:			37 331 kkr

*Includes 30% overhead. Some support is in the form of multiple-year grants (not identified in the table).

**Candidate for proposed "Technology Development" funding.

***Additional allocations will be discussed in January 2002.