Annex A

A) Department of Economics

a1) n.1 annual grant of € 19.367,00

Research facility: Department of Economics;
Scientific Disciplinary Sector: SECS-P/12;
Tutor: prof. Erasmo Papagni;
Date, time and place of interview: 13/03/2020, 09:00 a.m., Department of Economics, Corso Gran Priorato di Malta – Capua (CE);
Focus of interview: Global Evolution of the aerospace sector during XX and XXI centuries; Aerospace as an advanced sector of Italian industry; Campania Aerospace District: strategies and perspectives.

a2) n.1 annual grant of € 20.350,00

Title of research: “Gli strumenti di Fintech al sostegno della crescita del settore edilizio e immobiliare” financed by Research Consorzio Stabile S.C.a.R.L.;
Research facility: Department of Economics;
Scientific Disciplinary Sector: SECS-P/09;
Tutor: prof. Mario Mustilli;
Date, time and place of interview: 18/03/2020, 1:00 p.m., Department of Economics, Corso Gran Priorato di Malta – Capua (CE);
Focus of interview: Fintech; Blockchain Elements; Industry 4.0; Behavioral Finance.

B) Department of Engineering

b1) n.1 biennial grant of € 21.600,00 annual

Title of research: “Innovative impact compensation solutions related to off-shore platform conversion for eco-sustainable multiple uses” financed by MIUR in PON PLACE;
Research facility: Department of Engineering;
Scientific Disciplinary Sector: ICAR/02 – ICAR/03;
Tutor: Prof. Diego Vicinanza;
Date, time and place of interview: 18/03/2020, 11:00 a.m. -Department of Engineering, via Roma 29 – Aversa (CE);
Focus of interview: Environmental impact on the marine ecosystem, statistics applied to environmental and hydraulic engineering; Measures and Modelling for environmental and hydraulic engineering; marine spatial planning.
b2) n.1 annual grant of € 19.367,00

**Title of research:** “Measurement and analysis system for the optimization of energy consumption in the railway system” financed by MIUR in PON FERGE;

**Research facility:** Department of Engineering;

**Scientific Disciplinary Sector:** ING-INF/07;

**Tutor:** Prof. Mario Luiso;

**Date, time and place of interview:** 17/03/2020, 09:00 a.m. -Department of Engineering, via Roma 29 – Aversa (CE);

**Focus of interview:** Electric and electronic measurements (measurement errors, uncertainty); Measurement of power and energy in AC and DC, voltage and current transducers; Architectures and web based data presentation services.

b3) n.1 annual grant of € 20.300,00

**Title of research:** “Multidisciplinary analysis for aero-thermodynamic design of new generation reusable reentry vehicles” financed by MIUR in PON FERGE;

**Research facility:** Department of Engineering;

**Scientific Disciplinary Sector:** ING-IND/06;

**Tutor:** Prof. Antonio Viviani;

**Date, time and place of interview:** 16/03/2020, 14:30 p.m. -Department of Engineering, via Roma 29 – Aversa (CE);

**Focus of interview:** Finite Volume methods for high Mach number flows and multi-objective optimization techniques.

b4) n.1 annual grant of € 19.367,00

**Title of research:** “Modelling of PHB/PHB-coV production and extraction from biomasses” financed by MISE in PON Bio44V;

**Research facility:** Department of Engineering;

**Scientific Disciplinary Sector:** ING-IND/25;

**Tutor:** Prof. Dino Musmarra;

**Date, time and place of interview:** 16/03/2020, 01:00 p.m. -Department of Engineering, via Roma 29 – Aversa (CE);

**Focus of interview:** Aerobic/anaerobic fermentation; Energy and mass transfer principles; by-product extraction techniques from bacterial biomasses; bacteria biomass growth techniques; process modelling in continuous/discontinuous and fed-batch reactor; mass and energy balances.

C) Department of Mathematics and Physics

c1) n. 1 annual grant of € 19.367,00

**Title of research:** “Algorithms and data analysis techniques for sensor data and sentiment analysis of data coming from mobile devices and social networks” financed by POR FESR 2014/20 in “Quick&Smart” Project;

**Research facility:** Department of Mathematics and Physics;

**Scientific Disciplinary Sector:** SECS-S/01;

**Tutor:** Prof.ssa Rosanna Verde;
Date, time and place of interview: 16/03/2020, 10:00 a.m. - Department of Mathematics and Physics, Viale A. Lincoln 5 - Caserta;
Focus of interview: Data structures; Classification algorithms; Python procedures for data dimensionality reduction.

c2) n. 1 annual grant of € 19.367,00

Title of research: "Algorithms and data analysis techniques for sensor data and sentiment analysis of data coming from mobile devices and social networks" financed by POR FESR 2014/20 in “Quick&Smart” Project;
Research facility: Department of Mathematics and Physics;
Scientific Disciplinary Sector: SECS-S/01;
Tutor: Prof. Antonio Balzanella;

D) Department of Precision Medicine
d1) n. 1 biennal grant of € 25.000 annual

Title of research: "Nitrogen fraction rediction: animal welfare and milk functional quality" financed by MISE in “TABAREZO” Project;
Research facility: Department of Precision Medicine;
Scientific Disciplinary Sector: BIO/10;
Tutor: Prof.ssa Maria Luisa Balestrieri;
Date, time and place of interview: 13/03/2020, 03.00 p.m. - Department of Precision Medicine, Via L. De Crecchio 6 – Napoli – Second Floor, Room VI.S14;
Focus of interview: Evaluation of the chemical-nutritional and functional quality of animal productions; Sampling techniques, analysis and metabolomic characterization; Multidisciplinary approaches in vitro for the evaluation of nitrates, metabolomic profile and animal redox helpostasis in different production and reproductive phases; Cell biochemistry and proteomics with particular regard to electrophoresis, mass spectrometry, spectrophotometry, microscopic confocal laser spectrofluoritry, Western blot, flow cytometry.

E) Department of Experimental Medicine
e1) n. 1 annual grant of € 22.797,59

Title of research: "Development of novel methodologies for the characterization of biomolecules of nutraceutical and pharmaceutical interest" financed by PON01_01226 and Convenzione 2013 IBSA - ALTERGON;
Research facility: Department of Experimental Medicine;
Scientific Disciplinary Sector: BIO/10;
Tutor: Prof.ssa Chiara Schiraldi;
Date, time and place of interview: 13/03/2020, 02:00 p.m., in the Meeting Room at the 1st floor of “Complesso S. Andrea delle Dame, Dipartimento di Medicina Sperimentale, via De Crecchio, 7- Napoli;
Focus of interview: Biomolecules of application interest such as nutraceuticals active principle in medical devices, analytical techniques: RPHPLC, UV-Vis Absorption, light scattering (SEC-TDA) enzyme essays, isolation methodologies and quantification of biomarkers from complex fluids..

F) Department of Mental and Physical Health and Preventive Medicine

f1) n. 1 annual grant of € 21.000,00
Title of research: “Multy-disciplinary approach for the early diagnosis and treatment of the cutaneous and arthropathic psoriasis” financed by SVR e Giuliani Companies;
Research facility: Department of Mental and Physical Health and Preventive Medicine;
Scientific Disciplinary Sector: MED/35;
Tutor: Prof. Giuseppe Argenziano;
Date, time and place of interview: 16/03/2020, ore 01:00 p.m., Department of Mental and Physical Health and Preventive Medicine, at the 1st floor of “Complesso ex Villa Chiara”, Largo Madonna delle Grazie – Napoli;
Focus of interview: Immunologic dermatology; inflammatory dermatosis.

G) Department of Advanced Medical and Surgical Sciences

g1) n. 1 annual grant of € 20.355,00
Title of research: “Structural and functional MRI determinants of cognitive-radiological mismatch in Multiple Sclerosis patients” financed by Fondazione Italiana Sclerosi Multipla- in INNI-2018 Project;
Research facility: Department of Advanced Medical and Surgical Sciences;
Scientific Disciplinary Sector: MED/26 – ING-INF/06;
Tutor: prof. Antonio Gallo;
Date, time and place of interview: 18/03/2020, 12:30 p.m., Clinica Neurologica (Padiglione 2, lato est, piano terra) del Dipartimento di Scienze Mediche e Chirurgiche Avanzate, Piazza Miraglia, 2 – Napoli;
Focus of interview: Basics knowledge of the pathological substrates of Multiple Sclerosis (MS); Structural and functional MRI correlates of cognitive impairment in MS; Advanced processing techniques of multimodal and multicentric MRI data; Application of machine learning techniques for analyzing neuroimaging data; Knowledge of English.

g2) n. 1 biennal grant of € 19.367,00 annual
Title of research: “The incretin Hormones and their analogues as physiological and pharmacological regulators of a complex multi-organ network” financed by PRIN 2017;
Research facility: Department of Advanced Medical and Surgical Sciences;
Scientific Disciplinary Sector: MED/04;
Tutor: prof.ssa Michelangela Barbieri;
Date, time and place of interview: 18/03/2020, 12:30 p.m., in the Meeting Room, Divisione di Geriatria e Medicina Interna, 3° piano (Padiglione 2, lato est) – Department of Advanced Medical and Surgical Sciences, Piazza Miraglia 2 – Napoli;
Focus of interview: Main technologies applied to molecular biology; Epigenetic evaluation; Cell cultures.

H) Department of Environmental, Biological and Pharmaceutical Sciences and Technologies

h1) n. 1 annual grant of € 20.355,00

Title of research: “The role of the environmental matrix in the definition of biogeochemical reactions that govern the transport of inorganic contaminants in groundwater” financed by Accordo DST Università degli Studi di Roma “La Sapienza”/DISTABIF;
Research facility: Department of Environmental, Biological and Pharmaceutical Sciences and Technologies;
Scientific Disciplinary Sector: GEO/05;
Tutor: prof.ssa Micol Mastocicco;
Date, time and place of interview: 16/03/2020, 14:00 p.m., Department of Environmental, Biological and Pharmaceutical Sciences and Technologies, Via Vivaldi 43 – Caserta;
Focus of interview: Methods of chemical and mineralogical analysis of environmental matrices; Mechanisms of mobilization and immobilization of heavy metals; Pedogenic Background Concentration of Potentially Toxic Elements; Techniques for editing numerical cartography in GIS environment; Remediation of contaminated sites.

h2) n. 1 triennal grant of € 20.355,00 annual

Title of research: “Technical feasibility and environmental sustainability of plastic waste thermochemical treatments” financed by UE in “NONTOX” H2020 Project.
Research facility: Department of Environmental, Biological and Pharmaceutical Sciences and Technologies;
Scientific Disciplinary Sector: ING-IND/25;
Tutor: prof. Umberto Arena;
Date, time and place of interview: 16/03/2020, 11:00 a.m. – Aula Gaia, Department of Environmental, Biological and Pharmaceutical Sciences and Technologies, Via Vivaldi 43- Caserta;
Focus of interview: Features of main thermochemical processes; Autothermal and allothermal gasification; Main gasification technologies; Main pyrolysis technologies.

h3) n. 1 annual grant of € 19.367,00

Title of research: “Structural and functional analysis of metal-protein adducts” financed by PRIN 2017;
Research facility: Department of Environmental, Biological and Pharmaceutical Sciences and Technologies;
Scientific Disciplinary Sector: CHIM/03;
Tutor: prof.ssa Carla Isernia;
Date, time and place of interview: 17/03/2020, 12:00 – Meeting Room, Department of Environmental, Biological and Pharmaceutical Sciences and Technologies, Via Vivaldi 43-Caserta;
Focus of interview: Biological macromolecules structure; Coordination chemistry; NMR spectroscopy; Heterologous expression of proteins in bacteria.

I) Department of Political Science “Jean Monnet”

i1) n. 1 annual grant of € 20,355,00

Title of research: “Migrants’ cultural rights: a comparative perspective” financed by PRIN 2017;
Research facility: Department of Political Science “Jean Monnet”;
Scientific Disciplinary Sector: IUS/02;
Tutor: prof. Gian Maria Piccinelli;
Date, time and place of interview: 18/03/2020, 03:00 p.m. - Department of Political Science “Jean Monnet”, 1° piano Viale Ellittico 31- Caserta;
Focus of interview: Foundation of comparative legal methodology; Elements of Islamic Law; Islamic Family Law and Multiculturalism; History of Islamic Countries; Good knowledge of English and French languages.