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NOVA Medical School

Faculdade de Ciências Médicas

Medal of Distinguished Service, grade "Gold" of the Ministry of Health in 2015

NOVA Medical School | Faculdade de Ciências Médicas (NMS/FCM) is a modern and innovative Medical School rooted on research. It was born 40 years ago and is a part of Universidade NOVA de Lisboa.

NAME

NOVA MEDICAL SCHOOL | FACULDADE DE CIÊNCIAS MÉDICAS – www.nms.unl.pt

NOVA Medical School | Faculdade de Ciências Médicas (NMS | FCM) is the *Universidade NOVA de Lisboa's* (NOVA) medical school since 1977.

FOUNDATION

It was founded on November 15, 1977.

ADDRESS:

Main Building:

NOVA Medical School | Faculdade de Ciências Médicas of NOVA
Campo dos Mártires da Pátria, 130
1169-056 Lisboa
Portugal
Site: www.nms.unl.pt

LIBRARY (Red Building):

NOVA Medical School | Faculdade de Ciências Médicas of NOVA
Edifício da Biblioteca
Rua do Instituto Bacteriológico, n.ºs 3 e 3-A
1150-090 Lisboa
Portugal

CEDOC – Chronic Diseases Research Center

Yellow Building:

NOVA Medical School | Faculdade de Ciências Médicas of NOVA
Edifício CEDOC I
Rua do Instituto Bacteriológico, n.ºs 5, 5-A e 5-B
1150-190 Lisboa
Portugal

Site: cedoc.unl.pt

Grey Building:

NOVA Medical School | Faculdade de Ciências Médicas of NOVA
Edifício CEDOC II
Rua Câmara Pestana, n.ºs 6, 6-A e 6-B
1150-082 Lisboa
Portugal

UNIVERSITY

The Universidade NOVA de Lisboa comprises the following Academic Units:

- Faculty of Sciences and Technology (www.fct.unl.pt)
- Faculty of Social Sciences and Humanities (www.fcsh.unl.pt)
- Nova School of Business and Economics (www.novasbe.unl.pt)
- NOVA Medical School | Faculdade de Ciências Médicas (www.nms.unl.pt)
- Faculty of Law (www.fd.unl.pt)
- Institute of Hygiene and Tropical Medicine (www.ihmt.unl.pt)
- NOVA Information Management School (www.novaims.unl.pt)
- Institute of Chemical and Biological Technology António Xavier (www.itqb.unl.pt)
- National School of Public Health (www.ensp.unl.pt)

MANAGEMENT BOARD (NOVA Medical School | Faculdade de Ciências Médicas):

- **Director**
Professor Jaime da Cunha Branco (jaime.branco@nms.unl.pt)
- **President of the Faculty Council:**
Dr.^a Isabel Alçada
- **President of the Scientific Council / Vice-dean:**
Professor Miguel Xavier (miguel.xavier@nms.unl.pt)
- **President of the Pedagogic Council / Vice-Dean:**
Professor José Guimarães Consciência (jgc@nms.unl.pt)
- **Vice-Dean:**
Professor António Jacinto (antonio.jacinto@nms.unl.pt)
- **Vice-Dean:**
Professor Ana Isabel Moura Santos (aisantos@nms.unl.pt)
- **Administrator:**
Dr. Manuel Salvador Rodrigues Alves (manuel.salvador@nms.unl.pt)

PROTOCOLS OF COLLABORATION

Health institutions involved with the teaching of the academic units of the Integrated Master Degree in Medicine.

HOSPITALS

Centro Hospitalar de Lisboa Central, EPE

- Maternidade Dr. Alfredo da Costa (www.chlc.min-saude.pt)
- Hospital de Curry Cabral, EPE (www.hccabral.min-saude.pt)
- Hospital de Dona Estefânia (www.hdestefania.min-saude.pt)
- Hospital de Sta. Marta (www.hsmarta.min-saude.pt)
- Hospital de St. António dos Capuchos (www.chlc.min-saude.pt)
- Hospital de S. José (www.chlc.min-saude.pt)

Centro Hospitalar de Lisboa Ocidental, EPE

- Hospital de Egas Moniz (www.chlc.min-saude.pt)
- Hospital de Sta. Cruz (www.hegasmoniz.min-saude.pt)
- Hospital de S. Francisco Xavier (www.hsf Xavier.min-saude.pt)

Hospital Beatriz Ângelo (Loures) (www.hbeatrizangelo.pt)

Hospital de Vila Franca de Xira (www.hospitalvilafrancadexira.pt)

Hospital Garcia de Orta, EPE (www.hgarciaorta.min-saude.pt)

Hospital Prof. Doutor Fernando Fonseca, EPE (www.hff.min-saude.pt)

Instituto Português de Oncologia de Lisboa Francisco Gentil, EPE (www.ipolisboa.min-saude.pt)

Hospital das Forças Armadas (www.emgfa.pt)

Grupo Espírito Santo Saúde

- Hospital da Luz (www.hospitaldaluz.pt)
- Hospital Residencial do Mar (www.hrmr.pt)

Grupo HPP Saúde - Hospitais Privados de Portugal

- Hospital de Cascais (www.hppcascais.pt)
- Hospital dos Lusíadas (www.hpplusiadas.pt)

Grupo José de Mello Saúde

- Hospital Cuf Infante Santo (www.cufinfantesanto.pt)
- Hospital Cuf Descobertas (www.cufdescobertas.pt)
- Hospital Cuf Cascais (www.cufcascais.pt)

GROUPS OF HEALTH CENTRES

Administração Regional de Saúde de Lisboa e Vale do Tejo (www.arslv.t.min-saude.pt/)

Groups of Health Centres (Agrupamentos de Centros de Saúde - ACES)

- ACES Lisboa Central
- ACES Lisboa Ocidental e Oeiras
- ACES Lisboa Norte
- ACES Cascais
- ACES Amadora
- ACES Sintra
- ACES Loures-Odivelas
- ACES Estuário do Tejo
- ACES Almada-Seixal
- ACES Arco Ribeirinho
- ACES Arrábida
- ACES Oeste Norte
- ACES Oeste Sul
- ACES Médio Tejo
- ACES Lezíria

Administração Regional de Saúde do Alentejo (www.chbalentejo.pt)

- ACES Beja
- ACES Castro Verde
- ACES Évora
- ACES Mértola
- ACES Odemira
- ACES Serpa

Santa Casa da Misericórdia de Lisboa

TEACHING AND RESEARCH AREAS

TEACHING AND RESEARCH AREAS	COORDINATOR
Surgery and Human Morphology	José Fragata, M.D., PhD (jose.fragata@nms.unl.pt)
Clinical Medicine	Fernando Nolasco, M.D., PhD (fernando.nolasco@nms.unl.pt)
Woman, Child and Teenager Medicine	Maria Teresa Neto, M.D., PhD (teresa.neto@nms.unl.pt)
Genetics, Oncology and Human Toxicology	José Rueff, M.D., PhD (jose.rueff@nms.unl.pt)
Cellular and Molecular Medicine	José Belo, M.D., PhD (jose.belo@nms.unl.pt)
Functional Science and Therapeutic Targets	Nuno Neuparth, M.D., PhD (nuno.neuparth@nms.unl.pt)
Health of Populations	Jaime Branco, M.D., PhD (jaime.branco@nms.unl.pt)

INTEGRATED MASTER DEGREE IN MEDICINE (I AND II CYCLE OF STUDIES)

Coordinator:

Professor Carlos Nunes Filipe (carlos.filipe@nms.unl.pt)

Nr. of students enrolled: 1695

Programme:

INTEGRATED MASTER DEGREE IN MEDICINE

1st Year	
Academic Unit	ECTS
Anatomy · semestral	13
Basic Life Support · semestral	0,5
Tissues, Cells and Molecules · semestral	13
Introduction to Medicine · semestral	3,5
Nutrition and Metabolism · semestral	11
Genetics · semestral	4
Physiology · semestral	12
Optional ⁽¹⁾ · semestral	3

2nd Year	
Academic Unit	ECTS
Pathology · semestral	10
General Pharmacology · semestral	4
Pathophysiology and Therapeutic Targets I · semestral	8
Principles of Neurosciences · semestral	8
Pathophysiology and Therapeutic Targets II · semestral	8
Clinical Imagiology Anatomy · semestral	8
Introduction to Clinical Practice · semestral	11
Optional ⁽¹⁾ · semestral	3

3rd Year	
Academic Unit	ECTS
Infection: Etiology, Pathogenesis and Therapeutical Basis · semestral	7
Internal Medicine · semestral	15
General Surgery · semestral	15
Medicine and Society · semestral	4
Public Health, Epidemiology and Biostatistics · semestral	8
Immunology · semestral	4
Laboratory Medicine · semestral	8
Optional ⁽¹⁾ · semestral	3

4th Year	
Academic Unit	ECTS
Medical Psychology and Behavioural Medicine · semestral	3
Obstetrics and Gynecology · semestral	8
Surgical and Medical Specialities I · semestral	15
The Patient with Infection · semestral	4
Surgical and Medical Specialities II · semestral	15
Introduction to Pediatrics and Adolescence Health · semestral	8
The Elderly Patient · semestral	4
Optional ⁽¹⁾ · semestral	3

5th Year	
Academic Unit	ECTS
Molecular disease mechanisms · semestral	3
Psychiatry · semestral	12
General and Family Medicine · semestral	12
Rational Prescription Medicines · semestral	3
Pediatrics · semestral	9
Surgical and Medical Specialities III · semestral	15
The Patient with Cancer · semestral	3
Optional ⁽¹⁾ · semestral	3

6th Year	
Academic Unit	ECTS
Professional Internship ⁽²⁾	
Surgery (parcelar internship) · teaching by blocks	8
Obstetrics and Gynecology (parcelar internship) · teaching by blocks	6
Medicine (parcelar internship) · teaching by blocks	9
General and Family Medicine (parcelar internship) · teaching by blocks	6
Pediatrics (parcelar internship) · teaching by blocks	7
Mental Health (parcelar internship) · teaching by blocks	6
Final Report · N.A.	12
Preparation for the Clinical Practice: Knowledge Integration · semestral	3
Optional ⁽¹⁾ · semestral	3

BACHELOR'S DEGREE IN NUTRITION SCIENCES

Coordinator: Professor Conceição Calhau (ccalhau@nms.unl.pt)

Nr. of students enrolled: 37

Programme

Curricular unit	ECTS
1st year	
Molecular and Cellular Biology	5,5
Nutrition and Metabolism I	5
Sociology and History of Food	3
Primary Food Production	5,5
Food Chemistry	5,5
Human Feeding	5,5
Nutrition and Metabolism II	5
Biostatistics I	3
Morphology I	5
Genetics	3
Human Nutrition	6
Health Communication	5
Optional	3
2nd year	
Immunology	4
Nutritional Epidemiology	4
Physiology	9
Morphology II	5
Basic Microbiology	4
Food technology and new products	4
Biopathology	5
Pathophysiology	5
Food Microbiology	4
Bromatology	4
Public health	4
Gastrothenia	5
Food and Nutrition Marketing	3
3rd year	
Research Methods	5
Pharmacology	4
Food Toxicology	5
Food Safety	4
Food Management Tools	3
Maternal and Pediatric Nutrition	5
Nutrition Assessment	4
Nutrition in Sports	4
Nutrition in Geriatrics	4
Food Quality and Management Systems	4
Psychology and Nutrition	5
Diet Therapy I	6
Community Nutrition	4
Ethics and Professional Deontology	3
4th year	
Research project	5
Biostatistics II	4
Collective Feeding and Management	6
Diet therapy II	6
Artificial nutrition	5
Nutrition Policy	4
Internship	30

MASTER DEGREES (II CYCLE OF STUDIES)

- **Coordinator:**
Professor Fernando Pimentel dos Santos (pimentel.santos@nms.unl.pt)
- **Nr. of students enrolled:**
77
- **Courses List**
 - **Biochemistry for Health** - in collaboration with ITQB-NOVA and FCT-NOVA
 - **Musculoskeletal Physiotherapy** – in collaboration with Escola Superior de Saúde do IPS and ENSP-NOVA
 - **Nutritional Phytotechnology for Human Health** - in collaboration with FCT-NOVA
 - **Clinical Research Management** - in collaboration with Universidade de Aveiro, ENSP-NOVA and NOVA IMS
 - **Biomedical Research**
 - **Metabolism and Human Nutrition**
 - **Primary Care Mental Health**
 - **Medical Microbiology** – in collaboration with FCT-NOVA, IHMT-NOVA and ITQB-NOVA

DOUTORAL PROGRAMMES (III CYCLE OF STUDIES)

- **Nr. of students enrolled:**
192
- **Courses list**
 - **Biomedicine** - in collaboration with Universidade de Aveiro
 - **Health Sciences**

NON DEGREE POSTGRADUATE PROGRAMMES

- **Courses list**
 - Critical Appraisal of the Scientific Literature in Medicine
 - Head and Neck and Salivary Gland Surgery - Hands-on Cadaver Dissection
 - Human Cadaveric Advanced Laparoscopic Urology
 - Communication in Family Medicine consultation
 - Emergency and Intensive Care Medicine
 - Endoscopic Sinus and Skull Base Surgery
 - Practical Course on Laboratory Animal Science
 - Glycobiology & Glycochemistry International E-learning Course
 - Lisbon International Learning Program on Mental Health Policy and Services
 - Internal Medicine and Pregnancy
 - Neurodevelopment of Children and Adolescents
 - NOVA-BMJ Research to Publication Program
 - Health and Ageing

FACULTY:

Category	Quantity
Full Professor	10
Full Invited Professor	3
Full Visiting Professor	1
Associate Professor	9
Associate Invited Professor	12
Assistant Professor	25
Assistant Invited Professor	118
Assistant Visiting Professor	3
Invited Assistant	403
TOTAL	584

NON FACULTY STAFF

Category	Quantity
Administrator	1
Head of Division	4
Principal Coordinator	1
Coordinator	9
Advisor	2
Senior Technician	76
Trainee	1
Technical coordinator	5
Technical Assistant	18
Operational Assistant	5
IT Specialist, Degree 3, Level 2	1
IT Technical, Degree 1, Level 1	1
Specialist Diagnostic and Therapeutic Technician	7
Research Coordinator	1
Principal investigator	3
Auxiliary Researcher	1
Hired Researcher	5
FCT Researcher	6
PhD Researcher	31
Total	178

RESEARCH

NOVA Medical School | Faculdade de Ciências Médicas has the following research centres:

- **CEDOC – Chronic Diseases Research Centre:**

Coordinator: Prof. Doutor António Jacinto (antonio.jacinto@nms.unl.pt)

CEDOC integrates iNOVA4Health's¹ a teaching and research unit, classified as EXCELLENT by Fundação para a Ciência e a Tecnologia.

CEDOC is divided in 4 main research areas, joining Biomedical and Clinical Research: Neurological and Vision Diseases, Cardio-Metabolic Diseases, Oncobiology and Epidemiology and Population.

RESEARCH AREAS	RESEARCH GROUPS
Epidemiology and Populations	Allergy, Immunodeficiencies and Translational Immunology
	EpiDoc Unit - Epidemiology of Chronic Diseases
	Integrated pathophysiological mechanisms
	General and Family Medicine
	Psychiatric epidemiology and liaison psychiatry
	Needs and interventions in mental health
	Rheumatological diseases
Oncobiology	Cancer and Microenvironment Metabolism
	DNA breaks
	Integrative Biomedicine
	Membrane traffic in infection and disease
	Regulation of Stem Cell Proliferation
	Morphogenesis and tissue repair
	Morphological patterns of disease and tumor microenvironment
Neurological and Vision Diseases	Cellular and molecular neuroscience
	Cell death and disease
	Cellular and system neurobiology
	Experimental and computational biology
	Gene therapy
	Inflammation and neurodegeneration
	Molecular mechanisms of disease
	Neurogenetics of locomotion
	Neuronal growth and plasticity
	Neuronal traffic in aging
	Proteostase and Proteolytic Signaling
	Immune response and vascular disease
Cardio-Metabolic Diseases	Neurology: stroke and dementia
	Regulation of eyelashes and disease
	Immunobiology and Pathogenesis
	Lysosomes in chronic human pathologies and infection
	Measure: metabolic disorders
	Neuronal control of metabolic disorders: therapeutic strategies
	Stem cells and development
	Translational pharmacology

¹ iNOVA4Health comprises the IBET, that manages, the CEDOC, the IPOLG - Portuguese Institute of Oncology and the ITQB - Institute of Chemical and Biological Technology.

	Cardiothoracic Surgery
	Cardiovascular and Metabolic Diseases

- **TOXOMICS – Centre for Toxicogenomics and Human Health**

Coordenador:

Professor Doutor José Rueff (jose.rueff@nms.unl.pt)

ToxOmics includes researchers from the NMS | FCM and INSA², keeping active strategic collaborations with several centres and national and international research networks.

RESEARCH	RESEARCH GROUPS
Genetics	Injury and Reparation
	Response and Drug Resistance
	Xenobiotic Metabolism
	Environmental Mutagenesis
	Proteomics and Bioinformatics

	PhD Students	PhD holders
Researchers NMS FCM (Toxomics)	11	15
Researchers NMS FCM (CEDOC)	92	131

	CEDOC	TOXOMICS	TOTAL
RESEARCHERS GROUPS	36	5	41

² Instituto Nacional de Saúde Dr. Ricardo Jorge

The research community has two state-of-the-art ANIMAL FACILITIES:

- **Rodents Facility**

Coordinator:

Prof. Doutor José Belo (jose.belo@nms.unl.pt)

The Rodents Facility is used by 78 researchers, including teachers, clinicians and post-doc researchers and PhD students, 34 of which are PhD holders.

- **Fish Facility**

Coordinator:

Doutora Susana Lopes (susana.lopes@nms.unl.pt)

The Fish Facility has 600 fish tanks with a capacity for more than 12 000 animals, which is fundamental for research in the areas of regeneration and embryonic development. Various Research Groups use the zebra-fish model in fundamental and translational research. The facility has a total of 17 users, including technicians, researchers and students. The zebra-fish is the preferential model for 7 post-doc researchers and 5 PhD students.

- **Flies Facility**

Coordinator:

Doutora Fabiana Herédia (fabiana.heredia@nms.unl.pt)

The Fly facility occupies a 41 m² room in the second floor of the yellow building at CEDOC. The facility serves 5 research groups and has between 20 and 25 active users. More than 4500 fly stocks are maintained in this facility. The fly room is equipped with: 9 stereo microscopes, 1 fluorescence stereo microscope, 2 large and 2 small incubators and 6 CO₂ stations.

Community Service Rendering & Clinical Services

- NOVA-CRU (Clinical Research Unit)
- "Respiratory Testing"
- "Primary Immunodeficiency Study"
- "Integrated functional assessment"
- "Drug Dosing"
- "Laboratory Tests - CMV"
- Molecular Biology Service

INTERNATIONALIZATION

Internationalization is a strategic goal of NOVA Medical School | Faculdade de Ciências Médicas.

NMS | FCM annually receives an increasing number of students from all over Europe and Brazil and has a wide range of agreements with European and South American universities, including:

- 61 Erasmus+ agreements
- 11 agreements with Brazil
- 1 agreement with Switzerland
- 1 agreement with Mexico
- 1 agreement with Argentina

In terms of graduate education, there are currently several mobility programmes in place at NMS | FCM and we are proud to have a high level of approval among international students.

NMS FCM Mobility	2017/2018	
	IN	OUT
Erasmus+ Programme	75	52
Cooperation Agreements	6	11
Almeida Garrett Programme	6	3
Freemovers and IFMSA	0	40

The NMS | FCM is gradually be stated itself in and outside of Portugal, attracting education and investigation professionals.

The postgraduate training offer is directed increasingly to solve not only Portuguese but also foreign students' needs.

That is why internationalization is today a reality of NMS | FCM.

