

## Doctoral Programme UNIPHD (Call academic year 2022/23)

### RESULTS OF STEP 3

#### PhD COURSE

[Animal and Food Science](#)

[Arterial hypertension and vascular biology](#)

[Astronomy](#)

[Biomedical sciences](#)

[Biosciences](#)

[Brain, mind and computer science](#)

[Clinical and experimental oncology and immunology](#)

[Crop science](#)

[Geosciences](#)

[History, criticism and preservation of cultural heritage](#)

[Industrial engineering](#)

[Information engineering](#)

[Land, environment, resources and health](#)

[Linguistic, philological and literary sciences](#)

[Management engineering and real estate economics](#)

[Mathematical sciences](#)

[Mechatronic and product innovation engineering](#)

[Molecular sciences](#)

[Pharmacological Sciences](#)

[Philosophy](#)

[Physics](#)

[Psychological sciences](#)

[Sciences, technologies and measurements for space](#)

[Social sciences: interactions, communication, cultural construction](#)

[Translational specialist medicine "G.B. Morgagni"](#)

**Doctoral Programme UNIPHd (Call academic year 2022/23)**  
**RESULTS OF STEP 3**

<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Animal and Food Science	A) Food authenticity and quality (phenotypic, genetic and genomic aspects)	Admitted to Step 4
		689212
		Not admitted to Step 4
	B) Sustainability of livestock production systems (animal welfare, agroecology and biodiversity)	-
		Admitted to Step 4
		692598
Not admitted to Step 4		
695860		
731044		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Arterial hypertension and vascular biology	A) Hyperaldosteronism and atrial fibrillation	Admitted to Step 4
		-
	Not admitted to Step 4	
	-	
	B) Out of the ivory tower: Detection of secondary arterial hypertension	Admitted to Step 4
		-
Not admitted to Step 4		
	724790	

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Astronomy	A) Star and planet formation and evolution	Admitted to Step 4
		714347
		719393
		731223
		733540
		733632
		Not admitted to Step 4
	-	
	B) Galaxies and cosmology	Admitted to Step 4
		716167
		723541
		725112
		730358
		731094
732989		
Not admitted to Step 4		
714035		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Biomedical sciences	A) Effects of exercise and inactivity in controlling the mitochondrial network and neuromuscular junction	Admitted to Step 4
		728490
		Not admitted to Step 4
		723364
	B) Mitochondria between degenerative diseases and cancer	Admitted to Step 4
		713452
		714005
		721295
		Not admitted to Step 4
		712946
	730262	
	730330	
	731626	

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Biosciences	A) Molecular mechanisms of diseases	Admitted to Step 4
		729718
		733707
		Not admitted to Step 4
		704058
		706854
	723002	
	B) From basic research in plant and animal biology towards biotechnological improvement and sustainable development	Admitted to Step 4
		704711
		Not admitted to Step 4
		725065
		731785
		733807
		733920

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Brain, mind and computer science	A) Computer science and innovation for societal challenges	Admitted to Step 4
		713726
		725438
		729890
		730947
		731150
		Not admitted to Step 4
		710630
		716014
		717023
		731857
	732887	
	733940	
	B) Neuroscience, technology, and society	Admitted to Step 4
		-
		Not admitted to Step 4
		-

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Clinical and experimental oncology and immunology	A) Immunology of tumors	Admitted to Step 4
		727741
	B) Genetic susceptibility to cancer	Not admitted to Step 4
		701451
		Admitted to Step 4
		711304
		Not admitted to Step 4
		726292



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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Crop science	A) Role of the epigenome in integrating environmental cues with developmental signal in food crops	Admitted to Step 4
		723220
		Not admitted to Step 4
		724837
		733167
	734471	
	B) Global change and trophic interactions in agricultural and forest systems	Admitted to Step 4
		731243
		Not admitted to Step 4
		708805
712666		
716309		
		731510

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Geosciences	A) Deep Earth's volatile cycle: processes, fluxes and metasomatism	Admitted to Step 4
		-
		Not admitted to Step 4 727664
	B) Interdisciplinary studies of the geology and mechanics of natural and human-induced earthquakes	Admitted to Step 4
		702244
		720242
Not admitted to Step 4 713094		
	728010	

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
History, criticism and preservation of cultural heritage	A) Historical Landscapes: between research and sustainable management	Admitted to Step 4
		707751
		715712
		Not admitted to Step 4
		-
	B) Transdisciplinary and innovative approaches to cultural heritage	Admitted to Step 4
		720528
		727357
		731076
		Not admitted to Step 4
		706047
		710144

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Industrial engineering	A) Industry 4.0 and industrial bioengineering	Admitted to Step 4
		700197
		714286
		723529
		724508
		724814
		726498
		731795
		Not admitted to Step 4
		688992
		709866
		727612

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Industrial engineering	B) Industrial and environmental energy sustainability	<b>Admitted to Step 4</b>
		683359
		686349
		704388
		727228
		732768
		<b>Not admitted to Step 4</b>
		689108
		730517
		731476
		732494
		733849

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Information engineering	A) Ultra-reliable and low-latency wireless technologies for mission-critical applications	Admitted to Step 4
		-
		Not admitted to Step 4
		731288
	B) Environmental sensing through millimeter wave radios	Admitted to Step 4
		706263
		727569
		727797
	Not admitted to Step 4	
	733959	

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Land, environment, resources and health	A) Ecosystem services at regional scale in the EU bio-economies	Admitted to Step 4
		729772
	Not admitted to Step 4	
	-	
B) The Vaia flood event: observations and prediction of sediment and large wood dynamics		Admitted to Step 4
		-
		Not admitted to Step 4
		722901

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Linguistic, philological and literary sciences	A) Linguistic change in morphology, syntax and phonology	Admitted to Step 4
		-
		Not admitted to Step 4
	B) Modern and contemporary comparative literatures	Admitted to Step 4
		704954
		732049
	Not admitted to Step 4	
	-	



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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Management engineering and real estate economics	A) Innovations of operations and technology management	Admitted to Step 4
		722738
		731559
		Not admitted to Step 4
		708117
	712084	
	B) Innovation of new product and services development	Admitted to Step 4
		-
		Not admitted to Step 4
		732568

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Mathematical sciences	A) Nonlinear differential equations and stochastic models	Admitted to Step 4
		696799
		720019
		722708
		Not admitted to Step 4
		707508
		724936
	B) Arithmetic and Complex Algebraic Geometry	733653
		733760
		Admitted to Step 4
		730113
		Not admitted to Step 4
		727497
		727712
728327		
733897		
734096		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Mechatronic and product innovation engineering	A) Innovative materials in future design of lightweight and sustainable products	Admitted to Step 4
		700121
		706898
		711714
		Not admitted to Step 4
	733529	
	B) Advanced mechatronics technologies for future competitive industrial and logistics systems under the digital change	Admitted to Step 4
		731153
		731369
		733689
Not admitted to Step 4		
719799		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Molecular sciences	A) Nanochemistry for Energy and Health	Admitted to Step 4
		718510
		721317
		730717
		Not admitted to Step 4
		709322
		722261
	724162	
	731010	
	B) Advanced targeted drugs and drug delivery systems	Admitted to Step 4
		732816
		Not admitted to Step 4
		683920
		713746
731638		
733841		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Pharmacological Sciences	A) Pharmacologic and environmental modulation of biological aging	Admitted to Step 4
		730506
		Not admitted to Step 4
	-	
	B) Development of gerosuppressants and senolytic compounds for the treatment of aging and aging-related disorders	Admitted to Step 4
		699003
722811		
-		
-		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Philosophy	A) The natural/artificial distinction	Admitted to Step 4
		-
		Not admitted to Step 4
	B) Philosophy of translation	-
		Admitted to Step 4
		690028
Not admitted to Step 4		
731882		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Physics	A) Physics of the universe, from the micro to the macro-cosmos	Admitted to Step 4
		715512
		727241
		730421
		731775
		Not admitted to Step 4
		721200
	724711	
	B) Quantum- Bio- and Physics of complex systems: applications in data science, material science and living systems	Admitted to Step 4
		703610
		706911
		713985
		730508
		733851
Not admitted to Step 4		
720835		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Psychological sciences	A) Innovative methods or technologies for assessment, intervention, or enhancement of psychological functions (cognitive and emotional)	Admitted to Step 4
		725067
		Not admitted to Step 4
		702772
	B) Promoting development and well-being from early infancy to adulthood	730846
		Admitted to Step 4
		710085
		723349
		726495
		730444
Not admitted to Step 4		
-		



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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Sciences, technologies and measurements for space	A) Study, development, realization and scientific utilization of aerospace instrumentation and systems	Admitted to Step 4
		692521
		726485
		731606
		Not admitted to Step 4
	726021	
	B) Study and development of sensors and instrumentation for measurements	Admitted to Step 4
		725455
		732507
		Not admitted to Step 4
705177		

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Social sciences: interactions, communication, cultural construction	A) Technoscience in the public sphere	Admitted to Step 4
		-
		Not admitted to Step 4
		721618
		733882
	734521	
	B) Anti-racist movements in European Cities	Admitted to Step 4
		684461
		702722
		723268
730015		
Not admitted to Step 4		
		699415

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<b>PhD COURSE</b>	<b>RESEARCH TOPIC</b>	<b>RESULTS OF STEP 3</b>
Translational specialist medicine "G.B. Morgagni"	A) Physiopathology of vascular complications in diabetes	Admitted to Step 4
		-
	B) Translational research in arrhythmogenic cardiomyopathies: from animal models to clinics	Not admitted to Step 4 731345
		Admitted to Step 4 724488
	Not admitted to Step 4	
	-	