

Mr
Benard Ochieng Aliwa

Date of Birth: 05.10.1983
Citizenship: Kenya
Code for study programme: UO 094 202
Registration number: 11929116

NOTIFICATION

You have successfully completed the

PhD Program

after approval of the doctoral thesis and positive assessment of the doctoral examination which concludes the doctoral programme according to the curriculum for the PhD Program, as published in the University Gazette of the Medical University of Graz No. 40 dated June 29, 2022, on December 4, 2023.

According to article 87 of University Act 2002 (UG), Federal Law Gazette I Nr. 120/2002 in its current version, the Dean of study affairs awards you the academic degree of

Doctor of Philosophy (PhD)

Information on the right to appeal:

Against this certificate of graduation, you are entitled according to article 130 of Federal Constitutional Law and article 46 of University Act to use the legal remedy of appeal to the Federal Court of Administration. The appeal has to contain a well-founded application of appeal and shall be submitted within four weeks written to the Dean of study affairs of the Medical University of Graz, Neue Stiftingtalstraße 6 - WEST, 8010 Graz, E-Mail: dekan-studienrecht@medunigraz.at.

The e-mail transmission of the official notification to your student email address verifies the delivery.

This document has been officially signed according to art. 19 of the E Government Act, BGBl. I No. 10/2004, as amended, and has the legal proof of a public document.




Medical University of Graz

Neue Stiftingtalstraße 6, 8010 Graz

Diploma Supplement

This Diploma Supplement follows the model developed by the European Commission, the Council of Europe and UNESCO. The purpose of the supplement is to provide sufficient independent data to improve the international „transparency“ and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It is free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided in one of the sections, an explanation should give the reason why.

1	Information identifying the holder of the qualification	
1.1	Last name(s)	ALIWA
1.2	First name(s)	Benard Ochieng
1.3	Date of birth	05.10.1983
1.4	Student identification number or code (if available)	11929116
2	Information identifying the qualification	
2.1	Name of qualification and (if applicable) title conferred (in original language)	Doctor of Philosophy (PhD)
2.2	Main field(s) of study for the qualification	PhD Program
2.3	Name and status of awarding institution (in original language)	Medizinische Universität Graz, Öffentliche Universität
2.4	Name and status of institution (if different from 2.3) administering studies (in original language)	Medizinische Universität Graz, Öffentliche Universität
2.5	Language(s) of instruction/examination	English
3	Information on the level and duration of the qualification	
3.1	Level of the qualification	Doctoral programme (NQR qualification level 8, UNESCO ISCED-11 code 8)
3.2	Official duration of programme in ECTS credits and/or years	3 years (6 semesters)
3.3	Access requirement(s)	Completed diploma (human medicine or dental medicine) / master programme in natural or technical sciences / or equivalent degree program from an Austrian or foreign tertiary educational institution, hearing
4	Information on the programme completed and the results obtained	
4.1	Mode of study	Full-time study
4.2	Programme learning outcomes	See curriculum as published in the University Gazette of the Medizinische Universität Graz, No. 40, academic year 2021/22 dated 29.06.2022. The PhD study programme consists of a single study period with a duration of six semesters. The study programme is organized primarily in the form of interdisciplinary thematic programs. It serves to train the necessary skills to contribute to the development of the medical sciences through independent research and the achievement of new scientific findings. The PhD study programme, as a third cycle in the Bologna process, is both an education as well as a productive research activity. Thus the students are researchers at the beginning of their careers.
4.3	Programme details, individual ECTS credits gained and grades/marks obtained	See transcript of records enclosed ECTS credits: ---

4.4	Grading system and, if available, grade distribution table	Single grades: – „excellent“ (1) – „good“ (2) – „satisfactory“ (3) – „sufficient“ (4) – „insufficient“ (5) Positive achievement when a strict differentiation does not take place: – „successfully completed“ Negative achievement when a strict differentiation does not take place: – „unsuccessfully completed“
4.5	Overall classification of the qualification (in original language)	Not applicable within this curriculum
5	Information on the function of the qualification	
5.1	Access to further study	Access to academic career (Habilitation) according to the provisions of the Universities Act
5.2	Access to a regulated profession (if applicable)	Access to regulated professions according to professional regulations; diploma in the sense of Art. 11 lit. (e) of directive 2005/36/EG
6	Additional information	
6.1	Additional information	PhD Program: Molecular Medicine
6.2	Further information sources	www.medunigraz.at ENIC NARIC AUSTRIA Europarat/UNESCO
7	Certification of the supplement	
7.1	This document has been officially signed according to art. 19 of the E Government Act, BGBl. I No. 10/2004, as amended, and has the legal proof of a public document.	
7.2		
8	Information on the national higher education system	
	Up-to-date information on the Austrian higher education system is available on the following websites: - Bildungssystem.at https://www.bildungssystem.at/en/tertiary-education - Eurydice (European education information network) https://eurydice.eacea.ec.europa.eu/national-education-systems/austria/higher-education	

MEDICAL UNIVERSITY OF GRAZ

Neue Stiftingtalstraße 6, 8010 Graz

TRANSCRIPT OF RECORDS

Last name(s):	Aliwa			
First name(s):	Benard Ochieng			
Academic degree:	PhD			
Date of birth:	05/10/1983			
Date of admission:	10/10/2019			
Student identification number:	11929116			
Study:	PhD Program			
Number / Academic Year (1)	Title of the course (2)	Duration of course unit: (3)	Local grade (4)	
0940168 19/20	Dissertation seminar - Basics in Microbiome Research II (PhD Molecular Medicine); SU	1S	successfully completed	
0940152 20/21	Dissertation Seminar - Cell culture techniques and isolation of primary cells (PhD Molecular Medicine); SU	1S	successfully completed	
0940156 20/21	Dissertation Seminar - Flow cytometry, basic course (PhD Molecular Medicine); SU	1S	successfully completed	
0940158 19/20	Dissertation Seminar - Metabolic Phenotyping (PhD Molecular Medicine); SU	1S	successfully completed	
0940362 20/21	Dissertationsseminar DK-MCD: Nutrient signaling; metabolic regulation of gut - liver & adipose tissue metabolism (PhD DK Metabolic & Cardiovascular Disease); SU	1S	successfully completed	
0940041 21/22	Fundamentals of scientific research and general skills (PhD: Bioethics); SE	1S	successfully completed	
0940048 21/22	Fundamentals of scientific research and general skills (PhD: Effective Visual Communication for Scientists); SU	1S	successfully completed	
0940003 20/21	Fundamentals of scientific research in doctoral studies (1. term PhD); VU	1S*	successfully completed	
0940023 20/21	Interim report to the Dissertation Committee (3. term Molecular Medicine); SU	1S	successfully completed	
0940025 21/22	Interim report to the Dissertation Committee (5. term); SU	1S	successfully completed	
0940149 20/21	Introduction to the research topic of the respective PhD program (1. term Phd Molecular Medicine); VU	1S*	successfully completed	
0089185 19/20	Journal Club with focus on gut microbiome, gut permeability, bacterial translocation and immune function; SE	1S	1	
0940011 19/20	Literature Clubs, Project Presentations and Guest Lectures (1. term PhD); SE	1S	successfully completed	
0940012 20/21	Literature clubs and guest lectures (2. term PhD); SE	1S	successfully completed	
0940013 20/21	Literature clubs and guest lectures (3. term PhD); SE	1S	successfully completed	
0940021 19/20	Presentation of dissertation topic and work plan before the Dissertation Committee (1. term PhD); SU	1S	successfully completed	
0089018 19/20	Privatissimum - Master thesis seminar Research unit "Transplantation Research"; PV	1S	successfully completed	

Last name(s):	Aliwa			
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Student identification number:	11929116			
Study:	PhD Program			



Number / Academic Year (1)	Title of the course (2)	Duration of course unit: (3)	Local grade (4)
0940063 20/21	Project presentation (3. term PhD); SU	1S	successfully completed
0940033 20/21	Public presentation (scientific congress or Doctoral Day) (Doctoral Day - 3. term PhD); SU	1S	successfully completed
0940034 20/21	Public presentation (scientific congress or Doctoral Day) (Scientific congress - 4. term PhD); SU	1S	successfully completed
0940035 21/22	Public presentation (scientific congress or Doctoral Day) (Scientific congress - 5. term PhD); SU	1S	successfully completed
Doctoral Thesis: Crosstalk Between Gut Microbiome Bile Acids and Metabolome in Sarcopenia in Liver Cirrhosis			successfully completed


* approved/equivalent to current curriculum


(1) (2) (3) (4) See explanations on next page

Viva-voce (094) 04/12/2023

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 Erwin Petek

ECTS - EUROPEAN CREDIT TRANSFER SYSTEM

Information available on the Europe server: http://europa.eu.int/comm/education/programmes/socrates/ects_en.html

(1) **Number / Academic Year**

Information hereto are available under the following link: <https://www.medunigraz.at/studienangebot>

(2) **Type of course**

AG = Tutorial Group Work	AW = Independent Research Tutorial
BL = Blended Learning	CP = Capstone Learning/Capstone Project
DA = Thesis	DI = Dissertation
DW = Independent Research	EX = Field Trip
FA = Exam	HO = Internship
IL = Lecture/Practical Training	KO = Colloquium
KS = Course	KU = Competence Laboratory
KV = Tutorial/Ask the Teacher	LR = Study Group
LU = Lab Tutorial	MA = Master Thesis
PR = Practical Training/Hands-on Training	PS = Course with introduction to theoretical aspects
PT = Project Work	PV = Research Seminar
RP = Tutorial/Review Course	RU = Review Course/Tutorial
SE = Seminar	SI = Seminar/Tutorial for postgraduate students
SK = Seminar/Practical Training	SP = Seminar/Project
ST = Self-Study	SU = Seminar/Practical Training
SV = Special Lecture	SX = Seminar/Field Trip
TL = Team Based Learning	TT = Tutorial
UE = Practical Training	VK = Lecture/Ask the Teacher
VO = Lecture	VP = Lecture/ Course with introduction to theroretical aspects
VS = Lecture/Seminar	VU = Lecture/Practical Training
WK = Tutorial/Ask the Teacher	XU = Field Trip/Practical Training

(3) **Duration of course unit:**

Y = 1 full academic year
1S = 1 semester

(4) **Information on the programme completed and the results obtained**

Grading system:

Single grades:

- „excellent“ (1)
- „good“ (2)
- „satisfactory“ (3)
- „sufficient“ (4)
- „insufficient“ (5)

Positive achievement when a strict differentiation does not take place:

- „successfully completed“

Negative achievement when a strict differentiation does not take place:

- „unsuccessfully completed“

Overall classification of the qualification:

„Mit Auszeichnung/gutem Erfolg bestanden“

or, respectively, „Bestanden“, based on the final exam,

or, respectively, „not applicable“

(5) **Up-to-date information on the Austrian higher education system is available on the following websites:**

- Bildungssystem.at - <https://www.bildungssystem.at/en/tertiary-education>
- Eurydice (European education information network) - <https://eurydice.eacea.ec.europa.eu/national-education-systems/austria/higher-education>

Registration no.

11929116

Ref. no.

UO 094 202

Certificate of the Doctoral Examination

FAMILY NAME first name(s) ALIWA Benard Ochieng	Date of birth 05.10.1983
Study programme PhD Program	
Legal basis University Act 2002 (UG), Federal Law Gazette I No. 120/2002, Curriculum for the PhD Program, as published in the University Gazette of the Medical University of Graz No. 40, marginal number 155, academic year 2021/2022 dated June 29, 2022.	
Comprehensive assessment	

Examination subjects		ECTS credits	Sem. hours	Date	Assessment
Fundamentals of scientific research in doctoral studies	*	--	2.00	01.10.2022	successfully completed
Introduction to the research topic of the respective PhD program	*	--	1.00	01.10.2022	successfully completed
Fundamentals of scientific research and general skills	*	--	4.00	01.10.2022	successfully completed
Dissertation seminar	*	--	8.00	01.10.2022	successfully completed
Literature clubs and guest lectures	*	--	8.00	01.10.2022	excellent (1)
Project presentations	*	--	1.00	01.10.2022	successfully completed
Presentation of dissertation topic and work plan before the Dissertation Committee	*	--	0.50	01.10.2022	successfully completed
Interim report to the Dissertation Committee	*	--	1.00	01.10.2022	successfully completed
Public presentations	*	--	1.50	01.10.2022	successfully completed
Doctoral Thesis		--	--	30.11.2023	successfully completed
Examination before a Committee: Final comprehensive oral examination		--	--	04.12.2023	good (2)
* equivalent to the current version of the curriculum					

Topic of the Doctoral Thesis

Crosstalk Between Gut Microbiome Bile Acids and Metabolome in Sarcopenia in Liver Cirrhosis

Assessment: excellent (1), good (2), satisfactory (3), sufficient (4), insufficient (5);
successfully completed, unsuccessfully completed

Comprehensive assessment: pass with distinction, pass, fail

Medizinische Universität Graz: Certificate of the Doctoral Examination printed 19.12.2023

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C 1640633095

Certificate of the Doctoral Examination

FAMILY NAME first name(s) ALIWA Benard Ochieng	Date of birth 1983-10-05
Study programme PhD Program	

Graduation date 04.12.2023	<p>This document has been officially signed according to art. 19 of the E Government Act, BGBl. I No. 10/2004, as amended, and has the legal proof of a public document.</p> <div data-bbox="641 1704 1209 1951">    <p>Erwin Petek</p> </div>
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Assessment: excellent (1), good (2), satisfactory (3), sufficient (4), insufficient (5);
successfully completed, unsuccessfully completed

Comprehensive assessment: pass with distinction, pass, fail

Medizinische Universität Graz: Certificate of the Doctoral Examination printed 19.12.2023

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