

Alejandro SANZ GARCÍA

geboren am 20. Januar 1999, Matrikelnummer 17-820-036

hat am Departement Biosysteme

für das Master-Diplom in Biotechnologie

nach dem Reglement vom 18. Oktober 2016

die folgenden Leistungen erbracht:

	Note/Resultat	Kreditpunkte (ECTS)
Kernfächer		
Vorlesungen		
Advanced Bioengineering	5.50	4
Systems Genomics	4.75	4
Praktika		
Lab Course: Cellular Engineering Mammalian Cells	bestanden	2
Lab Course: Cellular Engineering Stem Cells	bestanden	2
Lab Course: Mammalian Gene Circuits	5.75	2
Lab Course: Methods in Cell Analysis and Laboratory Automation	bestanden	2
Lab Course: Microbial Biotechnology	bestanden	2
Lab Course: Microsystems and Microfluidics in Biology	bestanden	2
Lab Course: Next-Generation Sequencing	bestanden	2
Vertiefungsfächer		
Data Mining I	5.50	6
ImmunoEngineering	5.50	4
Introduction to Scientific Computing	6.00	4
Mathematical Modelling for Bioengineering and Systems Biology	5.50	4
Genome Engineering	5.75	4
Introduction to Biological Computers	5.25	4
Wahlfächer		
Chromatin and Epigenetics	bestanden	2
Computational Systems Biology: Stochastic Approaches	6.00	4
Introduction to Statistics and R	5.25	6
Projektarbeiten		
Research Project I	bestanden	8
Industrie-Praxis		
Industry Internship	bestanden	12

Studiendirektorin



Prof. Dr. Petra S. Dittrich

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Master-Diplom in Biotechnologie

	Note/Resultat	Kreditpunkte (ECTS)
Wissenschaft im Kontext		
Intellectual Property: An Introduction	5.00	2
Master-Arbeit		
Master's Thesis	5.75	40
Gesamtdurchschnitt (Gewicht=Kreditpunkte)	5.60	
Gesamtkreditpunkte		122

Notenskala: 6 ist die beste, 4 eine genügende und 1 die geringste Note. Nicht benotete Leistungen werden mit "bestanden" oder "nicht bestanden" bewertet. Ein ECTS-Kreditpunkt entspricht einem Arbeitspensum von 30 Stunden.

Es wird verfügt:

1. Der Kandidat erhält das Master-Diplom in Biotechnologie.
2. Dem Kandidaten wird der Titel Master of Science ETH in Biotechnologie verliehen. Die Kurztitel lauten MSc ETH Biotech. oder MSc ETH.

Studiendirektorin



Prof. Dr. Petra S. Dittrich

Alejandro SANZ GARCÍA

born on 20 January 1999, matriculation number 17-820-036

has passed the following examinations

at the Department of Biosystems Science and Engineering

according to the regulations of 18 October 2016

for the Master's Degree in Biotechnology

	Grade/Result	Credits (ECTS)
Core Courses		
Courses		
Advanced Bioengineering	5.50	4
Systems Genomics	4.75	4
Practical Training		
Lab Course: Cellular Engineering Mammalian Cells	passed	2
Lab Course: Cellular Engineering Stem Cells	passed	2
Lab Course: Mammalian Gene Circuits	5.75	2
Lab Course: Methods in Cell Analysis and Laboratory Automation	passed	2
Lab Course: Microbial Biotechnology	passed	2
Lab Course: Microsystems and Microfluidics in Biology	passed	2
Lab Course: Next-Generation Sequencing	passed	2
Major Courses		
Data Mining I	5.50	6
ImmunoEngineering	5.50	4
Introduction to Scientific Computing	6.00	4
Mathematical Modelling for Bioengineering and Systems Biology	5.50	4
Genome Engineering	5.75	4
Introduction to Biological Computers	5.25	4
Electives		
Chromatin and Epigenetics	passed	2
Computational Systems Biology: Stochastic Approaches	6.00	4
Introduction to Statistics and R	5.25	6
Research Projects		
Research Project I	passed	8
Internship		
Industry Internship	passed	12

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Master's Degree in Biotechnology

	Grade/Result	Credits (ECTS)
Science in Perspective		
Intellectual Property: An Introduction	5.00	2
Master's Thesis		
Master's Thesis	5.75	40
Overall Grade Point Average (Weight=Credits)	5.60	
Total Credits		122



Grading scale: 6 is the highest, 1 is the lowest grade; passmark is 4. Ungraded performance assessments are marked with either passed or failed. An ECTS credit corresponds to a workload of 30 hours.

It is decreed:

1. The candidate is awarded the Master's Degree in Biotechnology.
2. The candidate is awarded the title Master of Science ETH in Biotechnology. Short titles: MSc ETH Biotech. or MSc ETH.

Director of Studies
Prof. Dr. Petra S. Dittrich

Certified Translation
ETH Zurich, 22 June 2023




DIE
EIDGENÖSSISCHE
TECHNISCHE
HOCHSCHULE
ZÜRICH

verleiht

Alejandro Sanz García

geboren am 20. Januar 1999

den Titel

**MASTER OF SCIENCE ETH IN
BIOTECHNOLOGIE**

aufgrund des erfolgreich absolvierten Master-Studiums

Zürich, 21. Juni 2023

Der Rektor



Prof. Dr. Günther Dissertori

Der Vorsteher des Departements Biosysteme



Prof. Dr. Daniel J. Müller

