

**ZEUGNIS
DER
ALLGEMEINEN HOCHSCHULREIFE**

Herr/~~Fräulein~~ Stefan H e r m a n n

geb. am 25.7. 19 61 in B o n n

wohnhaft in N e u w i e d

hat sich nach dem Besuch der Oberstufe des Gymnasiums der Abiturprüfung unterzogen.

Dem Zeugnis liegen die „Vereinbarung zur Neugestaltung der gymnasialen Oberstufe in der Sekundarstufe II“ (Beschluss der Kultusministerkonferenz vom 7. 7. 1972) und die Landesverordnung über die Abschlußprüfung an den Gymnasien und den beruflichen Gymnasien (Abiturprüfungsordnung vom 28. 10. 1977 (GVBl. S. 386) zu Grunde.

Einzelergebnisse der Gesamtqualifikation

1. Grundkurse						
Fächer	Zahl der Kurse	Punktzahlen der Kurse (einfach gewertet)			Punktsomme im Fach	
Deutsch	3	-	11	10	11	32
Bildende Kunst	-	-	-	-	-	-
Musik	2	-	-	11	11	22
Latein	-	-	-	-	-	-
Englisch	3	-	11	11	12	34
Französisch	-	-	-	-	-	-
Gemeinschaftskunde/Ge- schichte	3	-	12	11	10	33
Mathematik	-	-	-	-	-	-
Biologie	-	-	-	-	-	-
Chemie	3	-	13	14	15	42
Physik	4	13	15	15	15	58
Rel./ev. Religionslehre/ Ethik/Kunstericht	2	-	13	-	12	25
Sport	-	-	-	-	-	-
Gesamtpunktzahl aus 20 Grundkursen						216

Seite 3 des Zeugnisses der allgemeinen Hochschulreife von
 Herr / Frau Stefan Hermann

Fächer	Punktzahlen der Kurse		Punktsomme im Fach (einfache Wertung)		Punktsomme im Fach (dreifache Wertung)
	11	13	14	38	
Mathematik	11	13	14	38	114
Biologie	15	14	14	43	129
Gesamtpunktzahl aus sechs Leistungskursen					81
Facharbeit (zweifache Wertung) Mathematik II.....					28
Gesamtpunktzahl (aus I. und II.)					271

Prüfungsfächer	Punktzahl im letzten Schulhalbjahr	Prüfungsergebnisse (vierfache Wertung)	Punktsomme im Prüfungsfach	
			13	56
1. Mathematik	13	56	69	69
2. Biologie	12	52	64	64
3. Gemeinschaftskunde/ Geschichte	15	44	59	59
4. Deutsch	13	36	49	49
Gesamtpunktzahl der Abiturprüfung			241	241

Punktzahl der Gesamtqualifikation	758
Durchschnittsnote	1,4

Weitere Ergebnisse außerhalb der Gesamtqualifikation		
Fächer	Zahl der Kurse	Punktzahlen der Kurse

.....
 -Dieses Zeugnis schließt das Große / Kleine-Latinum-ein.

Seite 4 des Zeugnisses der allgemeinen Hochschulreife

Herr / Frau Stefan Hermann
 hat die Abiturprüfung am 16.6.1980 bestanden und damit die Befähigung zum Studium
 an einer Hochschule in der Bundesrepublik Deutschland einschließlich Berlin (West) erworben.

Neuwied, den 16. Juni 1980
 Ort, Datum

Vorsitzender des Prüfungsausschusses



Für die Umrechnung der 6-Noten-Skala in das Punktsystem gilt folgender Schlüssel:
 Note 1 entspricht 15/14/13 Punkten je nach Notendenz
 Note 2 entspricht 12/11/10 Punkten je nach Notendenz
 Note 3 entspricht 9 / 8 / 7 Punkten je nach Notendenz
 Note 4 entspricht 6 / 5 / 4 Punkten je nach Notendenz
 Note 5 entspricht 3 / 2 / 1 Punkten je nach Notendenz
 Note 6 entspricht 0 Punkten

Eberhard-Karls-Universität Tübingen
Fakultät für Chemie und Pharmazie

DIPLOM

Herr Stefan H e r m a n n

geb. am 25.7.1961
in Bonn

hat am 29. April 1988

die Diplomprüfung in Physiologischer Chemie und Biochemie
mit dem Gesamturteil

s e h r g u t

bestanden.

Aufgrund dieser Prüfung wird hiermit der akademische Grad

DIPLOM-BIOCHEMIKER

verliehen.

Tübingen, 29. April 1988

Der Dekan

i. V. Krosas



Der Vorsitzende des Prüfungsausschusses

J. Mecke

EBERHARD-KARLS-UNIVERSITÄT TÜBINGEN

Fakultät für Chemie und Pharmazie

ZEUGNIS

über die Diplomprüfung in Physiologischer Chemie und Biochemie

Herr Stefan H e r m a n n

geb. am 25.7.1961 in Bonn

hat am 29. April 1988

die Diplomprüfung in Physiologischer Chemie und Biochemie
vor dem Prüfungsausschuß der Fakultät für Chemie und Pharmazie in Tübingen abgelegt.

Die Diplomarbeit "UNTERSUCHUNG DER FEINSTRUKTUR DES
MAUS- β -GLOBIN-PROMOTORS IN EINEM
HeLa-ZELLKERNEXTRAKT in vitro -
TRANSKRIPTIONSSYSTEM"

hat die Bewertung s e h r g u t erhalten.

Die Einzelergebnisse der mündlichen Prüfung sind

Physiologische Chemie: sehr gut

Organische Chemie: sehr gut

Wahlpflichtfach: Genetik sehr gut

Herr Stefan H e r m a n n hat die Prüfung
mit dem Gesamturteil s e h r g u t bestanden.

Tübingen, 29. April 1988

Der Dekan

Der Vorsitzende des Prüfungsausschusses

i. v. Kozas



[Handwritten signature]

UNIVERSITY OF OREGON



In recommendation of the Faculty and the

GRADUATE SCHOOL

*and by authority of the State of Oregon, the State Board of Higher Education
confers upon*

STEFAN HERMANN

the degree of

DOCTOR OF PHILOSOPHY

at Eugene, Oregon, on June 12, 1994, with all the rights and privileges appertaining to that degree

Thomas A. Bartlett
CHANCELLOR

Mylos Brand
PRESIDENT OF THE UNIVERSITY

Quin Johnson
PRESIDENT OF THE BOARD

Stephen
DEAN, GRADUATE SCHOOL

Graduate Transcript

Record of: **Hermann, Stefan**

Print Date: 03-AUG-94

ID: 544-21-7642

Major: Chemistry
 Admit Term: Fall 1988
 Matric Term: Fall 1988
 UO Degrees: Doctor of Philosophy, Jun 12, 1994
 Major: Chemistry
 Dissertation: *Interactions of Tata Binding Protein with DNA.*

Comments:
 EBERHARD-KARLS UNIV, WEST GERMANY
 DIPLOM 1988
 90S ADV TO CAND FOR PHD IN
 CH

Subject No	Course Title	Credits	Grade	Repeat
Spring 1990				
Chemistry				
Doctoral				
CH 501	Research	13.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
Earned Hrs: 14.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Fall 1990				
Chemistry				
Doctoral				
CH 603	Dissertation	11.00	P*	
PHYS 591	X-Ray Crystallog	4.00	AU	
Earned Hrs: 11.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Winter 1991				
Chemistry				
Doctoral				
CH 601	Research	15.00	P*	
Earned Hrs: 15.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Spring 1991				
Chemistry				
Doctoral				
BI 610	Ethic Biomed Res	1.00	AU	
CH 601	Research	11.00	P*	
CH 611	Top Physical Ch	3.00	AU	
Earned Hrs: 11.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Fall 1991				
Chemistry				
Doctoral				
BI 507	Sem Molecular Biology	1.00	P*	
BI 507	Sem Genetics	1.00	P*	
BI 517	Techn Elec Micro	5.00	P	
CH 601	Research	7.00	P*	
CH 607	Sem Biochemistry	1.00	P*	
Earned Hrs: 15.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Winter 1992				
Chemistry				
Doctoral				
BI 507	Sem Molec Bio	1.00	P*	
BI 507	Sem Genetics	1.00	P*	
CH 601	Research	12.00	P*	
CH 607	Sem Biochemistry	1.00	P*	
Earned Hrs: 15.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Spring 1992				
Chemistry				
Doctoral				
BI 507	Sem Genetics	1.00	P*	
BI 507	Sem Molec Bio	1.00	P*	
CH 601	Research	12.00	P*	
CH 607	Sem Biochemistry	1.00	P*	
Earned Hrs: 15.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Fall 1992				
Chemistry				
Doctoral				
BI 507	Sem Genetics	1.00	P*	
CH 507	Sem Molecular Biology	1.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
CH 601	Research	12.00	P*	
Earned Hrs: 15.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Winter 1993				
Chemistry				
Doctoral				
BI 507	Sem Genetics	1.00	P*	
BI 601	Research	12.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
CH 507	Sem Molecular Biology	1.00	P*	
Earned Hrs: 15.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00				

Subject No	Course Title	Credits	Grade	Repeat
Fall 1988				
Chemistry				
Doctoral				
BI 451G	Eukar Gene Regul	3.00	A-	
BI 507	Sem Molec Bio	1.00	P*	
BI 507	Sem Genetics	1.00	P*	
CH 455G	Prin Quantum Ch	3.00	A-	
CH 501	Research	6.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
Earned Hrs: 15.00 GPA Hrs: 6.00 Quality Pts: 24.00 GPA: 4.00				

Winter 1989				
Chemistry				
Doctoral				
BI 487G	Adv Mol Genetics	3.00	A	
BI 507	Sem Molec Biol	1.00	P*	
BI 507	Sem Genetics	1.00	P*	
CH 501	Research	6.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
CH 564	Physical Biochem	3.00	A+	
Earned Hrs: 15.00 GPA Hrs: 6.00 Quality Pts: 24.00 GPA: 4.00				

Spring 1989				
Chemistry				
Doctoral				
BI 507	Sem Molec Biol	1.00	P*	
BI 507	Sem Genetics	1.00	P*	
CH 501	Research	6.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
CH 513	Topics Nmr	3.00	A	
CH 565	Physical Biochem	3.00	A+	
Earned Hrs: 15.00 GPA Hrs: 6.00 Quality Pts: 24.00 GPA: 4.00				

Fall 1989				
Chemistry				
Doctoral				
BI 507	Sem Molec Bio	1.00	P*	
BI 507	Sem Genetics	1.00	P*	
CH 451G	Prin Ch Thermo	3.00	A+	
CH 501	Research	9.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
Earned Hrs: 15.00 GPA Hrs: 3.00 Quality Pts: 12.00 GPA: 4.00				

Winter 1990				
Chemistry				
Doctoral				
BI 507	Sem Genetics	1.00	P*	
CH 501	Research	9.00	P*	
CH 507	Sem Biochemistry	1.00	P*	
CH 507	Sem Molec Bio	1.00	P*	
CH 511	Top Signal Trans	3.00	A	
Earned Hrs: 15.00 GPA Hrs: 3.00 Quality Pts: 12.00 GPA: 4.00				

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(Continued on Page 2)

Issued to: **Stefan Hermann**
to student



This official transcript does not require a raised seal.

Herbert R. Chereck
 HERBERT R. CHERECK, REGISTRAR
 University of Oregon

Graduate Transcript

Record of: **Hermann, Stefan**

Print Date: 03-AUG-94

ID: 544-21-7642

Subject No Course Title Credits Grade Repeat

Spring 1993 **Chemistry** **Doctoral**

BI	507	Sem Genetics	1.00	P*
CH	507	Sem Biochemistry	1.00	P*
CH	507	Sem Molecular Biology	1.00	P*
CH	601	Research	13.00	P*

Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Fall 1993 **Chemistry** **Doctoral**

BI	507	Sem Genetics	1.00	P*
CH	507	Sem Biochemistry	1.00	P*
CH	601	Research	9.00	P*
CH	603	Dissertation	4.00	P*
PHYS	507	Sem Molecular Biology	1.00	P

Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Winter 1994 **Chemistry** **Doctoral**

BI	507	Sem Genetics	1.00	P*
CH	507	Sem Biochemistry	1.00	P*
CH	601	Research	9.00	P*
CH	603	Dissertation	4.00	P*
PHYS	507	Sem Molecular Biology	1.00	P*

Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Spring 1994 **Chemistry** **Doctoral**

BI	507	Sem Genetics	1.00	P*
CH	507	Sem Biochemistry	1.00	P*
CH	603	Dissertation	13.00	P*
PHYS	507	Sem Molecular Biology	1.00	P*

Earned Hrs: 16.00 GPA Hrs: .00 Quality Pts: .00 GPA: .00

Transcript Totals

	<i>Earned Hrs</i>	<i>GPA Hrs</i>	<i>Points</i>	<i>GPA</i>
Total Institution:	265.00	24.00	96.00	4.00
Total Transfer:	0.00			
Overall:	265.00			

End of Transcript

Issued to: **Stefan Hermann**
to student



This official transcript does not require a raised seal.

Herbert R. Chereck
HERBERT R. CHERECK, REGISTRAR
University of Oregon

THE INFORMATION IN THIS TRANSCRIPT IS CONFIDENTIAL AND SHOULD NOT BE RELEASED WITHOUT THE STUDENT'S WRITTEN CONSENT

TRANSCRIPT EXPLANATION PRINTED ON REVERSE SIDE

Accreditation

The University of Oregon is accredited by the Northwest Association of Schools and Colleges.

Authenticity

An official transcript displays the University of Oregon seal, the facsimile of the Registrar's signature, and is printed with a forest green border. Transcripts for coursework prior to Fall 1986 will have the embossed seal and signature of the University Registrar.

Academic records for students attending Fall 1986 and after are printed in portrait format (8½" x 11" vertical). Records prior to Fall 1986 are printed in landscape format (8½" x 11" horizontal). Some records of coursework taken prior to Fall 1986 may have been converted to the portrait format.

Separate transcripts are generated for each course level: coursework numbered 001-499 will appear on an undergraduate level record; coursework numbered 500-799 will appear on either a graduate or law level transcript. Students may request a partial transcript.

In accordance with the recommendations of the American Association of Collegiate Registrars and Admissions Officers, all transcripts provided directly to the student, whether official or unofficial, will be marked "Issued to Student," or have other markings to clearly inform the receiver that the transcript has been personally handled by the student.

Credit

Undergraduate and graduate credits are recorded in quarter hours. Effective Fall 1973, Law School credit is recorded in semester hours. Credit earned at another institution and accepted by the University of Oregon is recorded in quarter hours.

Degrees and Credit Awarded by other Institutions

Any information displayed reflecting degrees awarded by, or transfer work accepted from, other institutions should be verified with the original institution for accuracy.

Under the provisions of Public Law 93-380, the information provided in this document is not to be released to others without the written consent of the student. The University of Oregon is an equal opportunity, affirmative action institution committed to cultural diversity.

Course Numbering System

001-099	Remedial courses which carry no credit toward a degree. Exceptions: MATH 095 and first-year foreign languages taken prior to Summer 1982.
100-299	Lower-division undergraduate credit. H designates Honors College courses.
300-399	Upper-division undergraduate credit. H designates Honors College courses.
400-499	Upper-division undergraduate credit. H designates Honors College courses. Prior to Fall 1990, courses designated G or M carry graduate credit.
500-599	Graduate credit. Intended for graduate students; undergraduates may be enrolled in the same course when a corresponding 400-level section is being offered. Prior to Fall 1990, with designation P, professional courses suitable for graduate students holding a bachelor's degree in a field other than their graduate professional field.
600-699	Graduate credit; enrollment limited to graduate students only.
700-799	Graduate credit for graduate professional degrees only.

Courses numbered 198, 199, 399, 400-410, 500-510, 600-610 and 700-710 may be repeated in successive terms under the same number, with varying credits. Courses numbered 200 or 400 are experimental in nature and are student-initiated and taught.

Student Classification

Student major and type appear with each term designation for students attending after Summer 1990.

Undergraduate (UG)	Graduate (GR)	Law (LW)	Non-Admit (NU, NS)
Freshman (0-44 credits)	Post Baccalaureate	Unclassified	Unclassified
Sophomore (45-89 credits)	Pre-Masters	First Year	Community Education
Junior (90-134 credits)	Conditional-Masters	Second Year	
Senior (135+ credits)	Masters	Third Year	
Post Baccalaureate	Post-Masters		
	Conditional-Doctoral		
	Doctoral		
	Post-Doctoral		

Grading System

Grade	Points	Definition
A	4	Excellent.
B	3	Good.
C	2	Satisfactory.
D	1	Inferior performance. Not used Fall 1970-Summer 1977. Law School use effective Fall 1978.
F	0	Unsatisfactory performance, no credit awarded. Not used Fall 1970-Summer 1977.
+ or -	-	Plus or minus 0.30 points, effective Fall 1990; Law School: plus 0.50 points, Fall 1990-Summer 1993.
P	-	Satisfactory: undergraduate work, C- or above; graduate work, B- or above; law work, D- or above.
N	-	Less than satisfactory performance, no credit awarded: undergraduate work, D+ or lower; graduate work, C+ or lower. Law work calculated as F (0 points) in the GPA.
AUD	-	Audit, no credit awarded. Effective Fall 1990.
W	-	Officially withdrawn without penalty.
I	-	Incomplete; when the quality of work is satisfactory, but some minor yet essential requirement must be completed.
X	-	No grade reported by the instructor. Recorded by the Registrar.
Y	-	No basis for grade. Recorded by the instructor.

Symbols used on the Transcript

Immediately following the grade:

*	Course offered P/N only. Restriction set by Curriculum Committee or academic department.
#	Following grade of N, course taken P/N. Used Fall 1970-Summer 1977.
D or E	Deduction for repetition or remedial course carrying no credit. Credits are not counted in GPA calculation.
M	Deduction for repetition or regression. Credits do not count in total credits earned but are included in GPA calculation.
R	Reserved for graduate credit. Prior to Fall 1990.

Immediately following the course title:

>1	Approved for Arts & Letters group. (Undergraduate degree requirement effective Fall 1982.)
>2	Approved for Social Science group. (Undergraduate degree requirement effective Fall 1982.)
>3	Approved for Science group. (Undergraduate degree requirement effective Fall 1982.)
>4	Approved for Science group and Math requirement. (Undergraduate degree requirement effective Fall 1983.)
>5	Approved for Math requirement. (Undergraduate degree requirement effective Fall 1983.)

Totals

Definitions: Ehfs, Earned hours; GPA-hrs, credits used in GPA calculation; Pts, quality points. Academic Standing is indicated either in the comments section or as a notation following the term totals line.

Grade Point Average

The University of Oregon reinstated the GPA Fall 1990. No GPA is calculated for students last enrolled prior to Fall 1990. The GPA is determined by dividing the total points by total GPA hours. Only UO work is used in calculating the GPA.



Ministerium für Bildung, Wissenschaft und Weiterbildung Rheinland-Pfalz
Postfach 32 20 · 55022 Mainz

Ministerium für Bildung, Wissenschaft und Weiterbildung

Mittlere Bleiche 61, 55116 Mainz
Telefon-Durchwahl: (0 61 31) 16- 2963
Herr/Frau: Herr Biedebach
Aktenzeichen: 15722 -52 033/40-
Mainz, den 16. Jan. 1995

G e n e h m i g u n g

Gemäß § 2 des Gesetzes über die Führung akademischer Grade in der Fassung der Bekanntmachung vom 18.08. 1972 (GVBl. 1972, Sondernummer Reichsrecht, S. 97), geändert durch Artikel 54 des Gesetzes vom 05.11.1974 (GVBl. S. 469) erteile ich

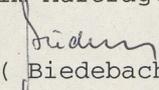
Herrn Stefan H e r m a n n
geboren am 25.07.1961 in Bonn
wohnhaft in 56567 Neuwied

die Genehmigung zur Führung des an der University of Oregon (USA) erworbenen akademischen Grades in der Form

Doktor der Naturwissenschaften (USA)
abgekürzt: Dr. rer. nat. (USA)

in der Bundesrepublik Deutschland.

Im Auftrag:


(Biedebach)



Telefon (Zentrale) 16-1 · Telefax (0 61 31) 16 29 97