Attachment B

TYPICAL COURSE PLAN FOR A Ph. D. STUDENT
ENTERING IN THE FALL SEMESTER

Fall semester - first year	Hours
Fundamentals of Biomedical Sciences	8
Research (rotations)	2
Spring semester - first year	
Track specific core course	3 or 4
Other core courses	variable
*Colloquium	2
Research and Rotations	to 9 credit hours
Summer – first and following years	
Research	4
Methods in Cell Biology	1
Seminar	1
Fall semester - second year	
Experimental Design/Data Analysis	2
Scientific Writing	2
Seminar	1
Research	4
Spring semester - second year	
Seminar	1
Research	7.5
Ethics	0.5

Writing and defense of dissertation proposal must be completed by the Summer of the second year

Fall/Spring semester - third year	
Seminar	1
Dissertation (if proposal has passed COGS)	variable

*Colloquium may also be taken in the summer of year 1.

Elective(s) (six credit hours of electives from an approved list must be taken anytime during training)
Supervised Teaching (must be completed anytime during training)
Seminar may be required in the summer semester to accommodate all the student presentations.

TYPICAL COURSE PLAN FOR an M.D./Ph.D. STUDENT
in Cellular & Structural Biology
(Biology of Aging; Cancer Biology; Cell & Molecular Biology; and
Genetics, Genomics and Development tracks)

Years 1 and 2 will concentrate on medical coursework and rotations to identify a mentor. The Ph.D. portion of the degree is generally 4 years. In the seventh year the student will reintegrate into medical school and complete his/her medical training.

PhD. Program – specificities for each track are given in the track guidelines.

Year 3

Fall

INTD 5006 Principles of Cellular & Molecular Biology
CSBL 5095 Experimental Design and Data Analysis
CSBL 6097 Research

Spring

Track-Specific Core Course
INTD 6002 Ethics
CSBL 6097 Research
CSBL 5089 Graduate Colloquium

Summer

CSBL 6097 Research

Year 4

Fall

CSBL 5077 Scientific Writing
CSBL 6097 Research

Spring

Qualifying exam
Advance to candidacy
Define dissertation proposal
Identify and meet with committee
Approval of Dissertation proposal
CSBL 6097 Research

Years 5 and 6*

CSBL 6097 Research
Meet with dissertation committee every 6 months
Present research annually

General: CSBL 6090 Seminar/journal club is required for each semester during the Ph.D. phase of the program

Elective courses and supervised teaching are not required of the M.D./Ph.D. Students.

*Two semesters of dissertation are required before graduation.

TYPICAL COURSE PLAN FOR a D.D.S./Ph.D.
in Cellular & Structural Biology
(Biology of Aging; Cancer Biology;Cell & Molecular Biology; and
Genetics, Genomics and Development tracks)

The first 3-4 years will concentrate on Ph.D. training. After this period, the student will enter the D.D.S. program.

PhD. Program – specificities for each track are given in the track guidelines.

Year 1

Fall

Fundamentals of Biomedical Sciences	8
Research (rotations)	2

Spring

Track specific core course	3 or 4
Other core courses	variable
Colloquium	2
Research and Rotations	to 9 credit hours

Summer

Research

Year 2

Fall

Experimental design/data analysis	2
Scientific Writing	2
Seminar	1
Research	4

Spring

Ethics	0.5

Qualifying exam
Advance to candidacy
Define dissertation proposal
Identify and meet with committee
Approval of Dissertation proposal
CSBL 6097 Research

Years 3-4*

CSBL 6097 Research
Meet with dissertation committee every 6 months
Present research annually

General: CSBL 6090 Seminar/journal club is required for each semester during the Ph.D. phase of the program

Elective courses and supervised teaching are not required of the D.D.S./Ph.D. Students.

*Two semesters of dissertation are required before graduation.

10/2010