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George S. Bailey Papers, 1969-2004

Preliminary Container List

Note: This list provides, for each box, the researcher who generated the materials as well as the types of materials and research topic. Notebook or folder titles are given with quotation marks.

Box 1

George Bailey

Notebooks. 1989-1997

“Ribozyme work”

“Methods for DNA Purification sequencing in Jim Norris’ lab”

“Terpenoid work”

“Chlorophyllin study”

“ITC summary”

Patricia Loveland

Notebooks. 1974-1986

(aflatoxin B-trout liver research)

Box 2

Patricia Loveland

Notebooks. 1987-1996

(HPLC of B1-DNA adducts and aflatoxin; chlorophyllin)

Box 3

Patricia Loveland

Notebooks

“Test chemicals for fish diets and egg treatments”

“3HDBP experiments”

“DiBenzo al-Pyrene (DBP) tumor dose response study”

ED0.1 studies (molecular dosimetry of DiBenzo[a,l] Pyrene tumor response in trout)

Box 4

Patricia Loveland

Notebooks and Manuals/Guidebooks. 1982-2001

“SAS programs”

“Diet analysis”

“Methods for HPLC analysis”

(Liquid chromatography, LC Systems)

Box 5

Patricia Loveland

Notes, Research Data, Correspondence, Reference Materials, Drafts of DBP Article.
“DNA binding in trout eggs injected with aflatoxin or AFM1”

Box 6

Patricia Loveland

Notes, Research Data, Correspondence, Reference Materials, Article Drafts.
“fry feeding experiment” 1987-2001
“DNA binding in trout eggs injected with aflatoxin or AFM1”
“AFB2 equivalents in tissues of bath-treated trout”

Box 7

Patricia Loveland

Research Data, Notes, Article Drafts, Reference Materials. 1989-1997
“In vivo disposition of the natural anti-carcinogen indole-3-carbinol after PO
administration to rainbow trout”
“Effect of PCB and I3C in combination on DNA binding”
“Inhibition of AFB2 uptake by chlorophyllin anticarcinogenesis”

Box 8

Patricia Loveland

Research Data, Notes, Reference Materials, Article Drafts, Correspondence,
Presentations, Annual Project Reports. 1989-1998
(aflatoxin; HPLC; DBP; indole-3-carbinol)

Box 9

Patricia Loveland

Reference Materials.
(aflatoxin; HPLC standards; DNA adducts; microsomal metabolism)

Box 10

Patricia Loveland

Reference Materials and Notebook.
(aflatoxin; HPLC; indole-3-carbinol)

Ashok Reddy

Notebooks, Research Data, Notes, Reference Materials, Correspondence.
“DBP diet calculations”
“DEN and DMBA+I3C and PCB Protocol + Results”
“DBP-DNA adduct research”
“ED0.1 Study 32P-Postlabeling of Adducts”

Box 11

Ashok Reddy

Notebooks. 1994-2000

“DMBA dose response by I.P. injection in trout”

“DBP tumor dose response”

Box 12

Ashok Reddy

Notebooks, Research Data, Notes, Correspondence, Reference Materials. 1992-2000

“Zebra fish embryo and dietary exposures”

“Zebra fish DNA extraction”

“DEN diet response”

“DBP tumor dose response”

“³²P-postlabeling of DBP”

“ED0.1 study with DBP protocol”

Box 13

Ashok Reddy

Notes, Research Data, Reference Materials, Correspondence, Presentation Materials.
1993-2000

“ED0.1 study with DBP”

“Analysis of DBP in diet, soil, and air”

Dashwood, R. H.

Notebooks. 1986-1990

“AFB1 adducts”

“KM/Vmax study”

“I3C Research”

Box 14

Patricia O’Neal-Tragen

Notebooks, Reference Materials, Research Data, a Conference Paper, Photographic
Slides. 1988-1996

“Cell culture and transformation assay methods”

“Transgenic animals other than mice”

“Transgenic mice to study oncogenesis”

(Zebrafish research-various experiments)

Box 15

Patricia O'Neal-Tragen

Reference Materials, Notes, Research Data, Student Paper.

“Lab protocols and technical notes”

“Zebrafish mutation assay”

“Molecular genetic basis of carcinogenesis”

(Various USAMRD grants)

Box 16

Patricia O' Neal-Tragen

Reference materials, Notes, Article Drafts, Research Data. 1995-1996

“Jun oncogene”

“RAS genes”

“Tumor suppressor genes”

“Zebrafish p53”

Vibeke Breinholt

Notebooks and Thesis. 1990-1994

“23N in vivo AFB1 metabolites”

“Anticarcinogenesis”

“DNA-binding experiment: AFB1-Chl”

“Oltipraz tumor study”

PhD. Thesis “Chlorophyllin Anticarcinogenesis in the Rainbow Trout Model.” 1994

Box 17

Kate Mathews

Notebooks. 1988-1997

“PMMA genomic digest of B1”

“Library screening”

“Further PCR on library plasmid DNA”

“Exon 1 PCR on new AFB1 tumors”

“Core particle disassociation with AFB1”

Box 18

Kate Mathews

Notes, Reference Materials, Research Data, Correspondence, Article Drafts, Thesis Draft, Grant Proposal. 1994-1999

“Molecular cloning and sequencing of a cDNA clone encoding ras-like sequence from a enriched zebrafish (*Brachydanio rerio*) cDNA library”

“ED0.1 Study: tumors collected for Ki-ras analysis”

“Medaka+Ribozyme”

MS Thesis Draft “Cloning, Sequencing and Aflatoxin B1 Metabolism by Multiple Rainbow Trout CYP1A cDNAs Expressed in Yeast”

Box 19

Kate Mathews and Lijing You

Reference Materials, Research Data, Notebooks, Manuals, Thesis Draft. 1987-1999

“CYP 450 gene expression”

“New H-Ras random primed probe”

“Primer designing”

“Yeast transform”

Box 20

Kate Mathews and Lijing You

Reference Materials, Research Data, Notes, Manuals, Article Drafts. 1994-99

“Enzyme assay”

“AFB1”

“Cloning, Sequencing and Aflatoxin B1 Metabolism by Multiple Rainbow Trout CYP1A cDNAs Expressed in Yeast”

“The model Ah-receptor agonist B-naphthoflavone inhibits aflatoxin B1-DNA binding *in vivo* in rainbow trout at dietary levels that do not induce CYP1A enzymes”

Ronshan Cheng

Notebooks and Research Data. 1992-1995

“DMBA mutation spectrum”

“DNA adduction frequency”

Box 21

Ulrich Hartig

Notebooks. 1992-1997

“DMBA-DNA binding after BNF treatment”

“³³P-postlabeling”

“Metabolism of monoterpenoids in trout”

“HPLC analysis of AFB1 metabolites”

“Inhibition of microsomal AFB1 metabolism by BNF”

Box 22

Ulrich Hartig

Research Data, Reference Materials, Article Drafts, Correspondence, Photographic Slides. 1992-1998

“Modulation of trout CYP1A1-mediated DBP metabolism by 3,3'-diindolyl methane (I33') and other derivatives of indole-3-carbinol”

“Potato alkaloids”

“Ras p21 proteins”

“Oncogene proteins antibody”

“DNA-adducts”

Box 23

Ulrich Hartig

Research Data, Notes. 1993-1996

“Scintillation counts”

“Zebrafish metabolism experiment”

Box 24

Jan Wilcox

Notebooks, Reference Materials, Notes, Research Data, Publications. 1975-1986

“Hepatocytes-AFB1, AFL, AFL-M, AFM”

“Coho vs. trout hepatocyte experiments”

“DEM dose curve for hepatocytes (GSH depletion)”

“Testes incubation experiment with gonadotropin injected fish”

“Aldrin-dieldrin”

“Exopide hydrolase”

“Teratogens”

“Mycotoxin metabolite”

Box 25

Claudia Troxel

Notebooks, Research Data, Reference Materials. 1992-1996

“Injection of zebrafish-induction of P450IAI by BNF”

“Injection of Aroclor 1254”

“TCDD modulation of carcinogenesis”

A. Fong

Notebooks. 1986-1989

“DMBA studies”

“DEN”

“CPFA/Hepatocytes”

“AFB1-RXM, I3C dimer Trimer coinjection-eggs”

“O6 alkylguanine-DNA alkyltransferase activity in the trout and salmon”

Box 26

Kathy Mangold

Notebooks and Thesis. 1986-1989

“Human h-ras and RT-8 clone: EXONS 1 and 2”

“Ki-ras mutations in carcinogen induced trout tumors”

PhD. Thesis: “Characterization of a *ras* Gene in Rainbow Trout”

Yung Jin Chang

Notebooks. 1988-1990

“K-ras PCR Products oligohybridization”

“Trout H-ras gene tentative identification of mutation sites from AFB1-induced tumors”

P. E. Bishop
Research Data. 1974
“Figures and tables for aflatoxin B1 paper”

Bryan Ford
Notes and Reference Materials. 1993

Lyle Uyetake
Notebooks. 1986-1990
“Spectra, chromatograms, and references”
“Synthesis of aflatoxin B1-2, 3-dichloride”
“BHA extraction from livers”
“CPFA-cyclopropenoid fatty acids”

Box 27

Lijing You
Notebooks. 1994-1997
“Restriction digestion of plasmid DNA (PNW 144 + IA2)”
“Yeast microsomes isolation”
“Site-directed mutagenesis and BstN1”
“Primer design. CYP1A1 and CYP1A2”

Box 28

Margaret Pratt
Notebooks and Research Data. 1995-2002
“Sucrose gavage”
“DBP and DBP+CHL omitting outliers”
“DBP pharmacokinetic (smaller fish than 124)”
“Sucrose dialysis”

Ted Bunch (also Will Jewell)
Notebooks, Presentation Materials, Research Data. 1992-2004
“Trout Ras EXON sequences”
“Ki-ras identification of MNNG-initiated tumors”

Box 29

David Jones (Mr. Sinnhuber)
Notebook. 1969
“Serial no. 468; Project no. 576”
(aflatoxin and rainbow trout research)

Don Titterington
Notebook. January 1980
“Rxn D-1”
“Rxn’s in O2”
“Concentration experiments”

Norman E. Pawlowski
Notebook. 1976-85
“Serial no. 982; 30-262-0363”
“B1 –Ro”
“Sterigmatocystin”
“New Ro method”

Scott Davis
Notebook. 1985-1986
“H3-AFB1/AFB1 needed for DNA binding”
“Tritium exchange experiment”
“Long term effects of BNF on DNA binding”

Tetsu Hayashi (Dept. of Food and Science and Tech.-Tokyo Univ. of Fisheries)
Notebook. 1994-1995
“Biodistribution of 3HAFB2 in rainbow trout”
“Effect of feeding on AFB2+CHL kinetics”
“Photon counting spectrophotometry on AFB2 and AFB1 under the coexistence of CHL”

Andrew Joel Carlstrom
Notebook. 1994-1995
“Quantitative competitive reverse transcriptase PCR for quantitation of normal and mutant alleles differing by a single-base at codon 12(2) in exon I of ki-ras in aflatoxin B1 induced tumors in the rainbow trout.”

Gin Young
Notebook. 1996
“Genomic RAS genes”

David Stone
Notebook. 1997-1998
“Ribozyme Project”

Hollie Swanson
Notebooks. 1986-1988
“Experimental errors”

Marita Barth
Notebooks. 1996-1998
“Treatment of trout with b-naphthoflavone (BNF)”

“Linearity of DBP additions in the single beam spectrophotometer”
“Linearity of DBP concentration vs. fluorescence”
“HPLC metabolism in the presence of CHL”
“DBP metabolites on HPLC”

Xiaoshan Liang

PhD. Thesis “Studies of Rainbow Trout KI-ras Gene: Sequencing, Aflatoxin B1 Binding, and Chromatin Structure.” 1993

Mark Whitham

MS Thesis “Effect of Various Parameters on in vivo Aflatoxin B-1 Binding to Rainbow Trout *Salmo gairdneri* Liver DNA.” 1981

Gayle Orner

PhD. Thesis “Dehydroepiandrosterone Carcinogenesis and Tumor Modulating Effects in Trout.” 1995

Margery Barkman

Notebook. 1999-2000

“DNA extraction from stomach tumor samples”

“E-cadherin studies”

“B-catenin study”

Unidentified Researcher

Notebook. 1993

“Other projects”

“DEN tumor DNA from archives tissue (over 10 years old)”

Box 30

Research Data. 1997-2001 (identity of researchers unclear-Alcott?)

“DBP and BAP used in 10sI analysis”

“Injection reproducibility-ED0.1 -11, p.48”

“Stripchart parameters”

“Diet A: ED0.1 -17, p.25”

(HPLC data)