

Resident Rotation Didactic Schedule - April 1, 2009 - June 30, 2009

Chemistry and Coagulation (Coag) by Focus Area

Topic	Faculty	Scheduled during:	Date/Time	Focus Area
Orientation	M. Milone	Day 1	Apr 1 11AM	Clinical Chemistry
Cardiac tests	L. Kricka	Month 3	May 5 11AM	Clinical Chemistry
Renal Function Testing	M. Milone	Month 3	May 5 1:30PM	Clinical Chemistry
Tumor Markers	P. Wilding	Month 3	May 11 2:30PM	Clinical Chemistry
Adrenal function testing	J. Sepulveda	Month 2	May 21 1PM VA - 3B124	Clinical Chemistry
Thyroid Function testing	J. Sepulveda	Month 2	May 28 1PM VA - 3B124	Clinical Chemistry
Clin Chemistry Journal Club	Various	3 Times	4PM: Apr 15, May 13, Jun 3	Clinical Chemistry
Automation in the lab	L. Kricka	Week 2-3	Apr 7 11AM	General Lab
Electrolytes & Blood Gases	S. Master	Month 2	May 14 1PM -2:30PM	General Lab
Carbohydrates, Glucose, & Insulin	S. Master	Month 2	May 14 1PM -2:30PM	General Lab
Immunology SPEP/UPEP	A. Crivaro	Week 1	Apr 2 9:30AM	Methods
General principles of laboratory measurements	D. Carlow	CHOP Week	June 15-19	Methods
GI Testing	D. Carlow	CHOP Week	June 15-19	Methods
Chromatography	D. Carlow	CHOP Week	June 15-19	Methods
POCT	L. Kricka	Week 5	Apr 27 1:30PM	Methods
Analytical methods	L. Kricka	Week 2-3	May 12 1:30PM	Methods
Refractometry & Osmolality	R. Fontanilla	Week 3-4	Apr 14 11AM	Methods
Urine/glucose	P. Zabala	Week 3-4	Apr 14 11:30AM	Methods
Mass Spectrometry in the Clinical Lab	L. Shaw	Week 4-5	May 12 10:30AM	Methods
Overview of TDM and Basic Pharmacokinetics	M. Milone	Week 3	Apr 21 1:30PM	TDM
Introduction to Pharmacogenomics	M. Milone	Month 3	May 19 1:30PM	TDM
Pharmacogenetics (Tox Conf w/ Molecular Residents)	Shaw / Milone	Month 2	Jun 1 10:30AM	
Pharmacogenetics	L. Shaw	Month 2	May 8 10:30AM	TDM
Pharmacogenetics Testing	M. Milone	Month 2	May 15 10:30AM	TDM
MPA monitoring	L. Shaw	Month 1	Apr 7 1:30PM	TDM
Trace metal analysis	D. Carlow	CHOP Week	June 15-19	Toxicology
Drugs of Abuse Testing	M. Milone	Week 3	Apr 14 1:30PM	Toxicology
In Lab Demo - Drugs of Abuse Testing	J. Gardiner/S. Miller	Month 1	Apr 15 10AM	Toxicology
In Lab Demo - HPLC (CsA)	J. Gardiner/S. Miller	\	Apr 22 10AM	Tox
In Lab Demo - Atomic Absorption	J. Gardiner/S. Miller	Month 1	Apr 28 10:30AM	Tox
In Lab Demo - LC-MS/MS (Tac)	J. Gardiner/S. Miller	Month 1	Apr 29 10AM	Toxicology
Overview of Coag Testing & the Lab	B. Ptashkin/ Dr Pollak	Day 1	Apr 1 1:30PM	Coagulation
Current View of Coagulation Part 1	E. Pollak	Week 2		Coagulation
Current View of Coagulation Part 2	E. Pollak	Week 3		Coag
Coag Lecture	B. Konkle	Week 3		Coag
Coag Lecture	B. Konkle	Month 2		Coag
HIT	D. Cines	Month 1		Coag
APLA	D. Cines	Month 2		Coag
Coag Lecture	B. Konkle	Month 2		Coag
Coag Lecture		Month 3		Coag
Anticoagulant Therapy in the pediatric patient	L. Raffini	CHOP Week	June 15-19	Coag
ELISA	B. Ptashkin	Month 1	Apr 9 9:30AM	Coag
MDA/ Optical	B. Ptashkin	Month 1	Apr 8 9AM	Coag
Serotonin	B. Ptashkin	Month 1	Apr 21 10:30AM	Coag
PLT Aggregation and Evaluation of a long aPPT	B. Ptashkin	Week 4	Apr 23 9:30AM; 1:30PM	Coag
Coag Journal Club	Various	3 times	4PM: Apr 22, May 20, Jun 17	Coag

*Plus TOX Case Conference Every MONDAY 10:30AM - 12noon given by Dr Les Shaw & Dr Mike Milone in 7 Founders conference rm (7.047 Founders).

Additional Scheduled Didactics/ Meetings

***CHOP Week Schedule (June 15-19) to be provided separately by Dr Dean Carlow.**

***Clinical Chemistry Monthly Staff Meetings (your presence is required, if available)**

Thursday, April 9 at 1:30PM in 7 Founders main conference room

Thursday, May 7 at 1:30PM in 7 Founders main conference room

Thursday, June 4 at 1:30PM in 7 Founders main conference room

Hours Specifics & Details of in-Lab Observations & sessions

In-Lab observation total (30 hrs)

- A. SPEP/UPEP methods (2 hrs) – **Clinical Chemistry**
- B. Drugs of abuse screening (4 hrs) – **Toxicology**
 - Homogenous kinetic immunoassay (drug screening)
 - Enzymatic assay (ethanol screening)
 - TLC (drug screening)
 - GC-headspace (alcohol evaluation)
 - GC-MS (confirmation and screening)
- C. Atomic absorption spectroscopy-lithium (2 hrs) – **Toxicology**
- D. HPLC (CsA, 2 hrs) – **Toxicology**
- E. LC-MS/MS (tacrolimus, 2 hrs) – **Toxicology**
- F. Refractometry (urine specific gravity, 0.5 hrs) – **Methods**
- G. Osmolality (freezing point depression, 0.5 hrs) – **Methods**
- H. POC (glucose, urine dipstick, 1 hr) – **Methods**
- I. MDA/optical coag testings (3 hrs) needs to be 9-12 AM time slot – **Coag**
- J. Serotonin release assay (3 hrs) extends over ~ 8 hrs with 1hr AM and 1hr PM + 6h incubation – **Coag**
- K. Plt aggregation (3 hrs) extends over ~ 8 hrs with 1hr AM and 1hr PM + 6h incubation – **Coag**
- L. ELISA (endo or coag based test TBD, ~ 2 hrs over course of day) – **Coag**

Clinical