

Bioc 533A, Autumn, 2012.

Minicourse on Hemostasis

Mondays, Wednesdays, 12:30 – 1:30 PM, Health Sciences J-412.

Instructors: Earl Davie (ewd@uw.edu) Dominic Chung (chung@uw.edu)
 José Lopez Barbara Konkle Jing-Fei Dong
 Jill Johnsen Allan Rettie

Course Outline

Date	Lecture	Topic	Lecturer
Mon, Sep 24	1	Overview, primary hemostasis, platelet structure, function, production	Lopez
Wed, Sep 26	2	Platelet receptors, GPIb-IX-V, α IIb β 3, PARs, Bernard-Soulier syndrome, Glanzmann thrombasthenia	Lopez
Mon, Oct 1	3	Platelet receptors (continued), ADP receptor, collagen receptor, thromboxane, prostaglandins, epinephrine, intracellular signaling events	Lopez
Wed, Oct 3	4	Thrombocytopenia, idiopathic thrombocytopenic purpura (ITP)	Johnsen
Mon, Oct 8	5	VWF, ADAMTS13, thrombotic thrombocytopenic purpura (TTP)	Dong
Wed, Oct 10	6	Coagulation cascade, tissue factor and contact activation	Davie
Mon, Oct 15	7	3D structures of coagulation proteins	Davie
Wed, Oct 17	8	Protein inhibitors of the coagulation cascade (protein C pathway, antithrombin III, TFPI)	Davie
Mon, Oct 22	9	Vitamin K cycle, warfarin resistance	Rettie
Wed, Oct 24	10	Clinical aspects of hemophilia (Factor VIII and IX), and VWD	Konkle
Mon, Oct 29	11	Queen Victoria and hemophilia, history and biochemistry	Davie
Wed, Oct 31	12	Fibrinogen, biosynthesis, structure and factor XIII	Chung
Mon, Nov 5	13	Fibrinolysis, plasminogen, plasminogen activators	Chung
Wed, Nov 7	14	Fibrinolysis inhibitors and regulation	Chung