SCHEDA DISPONIBILITA' PER ATTIVITA' DI LABORATORIO PER ESAME FINALE (Laurea) **CDL BIOTECNOLOGIE (triennale)**	
Relatore o co-relatore:	Relatore
Nome:	Gianluca Baldanzi
Ruolo:*	Ricercatore
Disciplina:*	biochimica (BIO/10)
** nel caso di laboratorio extra-universitario indicare la struttura*	
Recapito telefonico e/o mail	0321660527 gianluca.baldanzi@med.unipmn.it
Relatore garante:	
(nel caso di co-relatore esterno ai Dipartimenti afferenti al cdl)	
N° tirocini disponibili I semestre	2
N° tirocini disponibili II semestre	2 (in alternativa)
Titolo e descrizione attività proposta	(max 500 caratteri circa)

Two projects are actually running under my supervision:

1. **DGKα inhibitors may cure X-linked immuneproliferative disease?**

The student will be involved in the discovery of new DGKα inhibitors using biochemical assays. Furthermore he/she will carry on biological assays to test inhibitor efficacy into *in vitro* and *in vivo* models of X-linked immuneproliferative disease.

2. **DGKα in cell motility, matrix invasion and tumor growth.**

DGKα is essential for tumorigenesis and metastatization in several experimental models. However the molecular mechanisms by which DGKα promotes tumor growt and dissemination are poorly known. The student will carry on biochemical and biological assays to study DGKα activity and DGKα regulated priteins in tumor cell lines .

Pubblicazioni recenti più significative	(max 4) 1° autore, titolo, rivista, anno:

1: Rainero E, Cianflone C, Porporato PE, Chianale F, Malacarne V, Bettio V, Ruffo E, Ferrara M, Benecchia F, Capello D, Paster W, Locatelli I, Bertoni A, Filigheddu N, Sinigaglia F, Norman JC, Baldanzi G, Graziani A. The diacylglycerol kinase α/atypical PKC/β1 integrin pathway in SDF-1α mammary carcinoma invasiveness. PLoS One. 2014 Jun 2;9(6):e97144. doi: 10.1371/journal.pone.0097144. eCollection 2014. PubMed PMID: 24887021; PubMed Central PMCID: PMC4041662.

2: Baldanzi G. Inhibition of diacylglycerol kinases as a physiological way to promote diacylglycerol signaling. Adv Biol Regul. 2014 May;55:39-49. doi: 10.1016/j.jbior.2014.02.001. Epub 2014 Feb 15. PubMed PMID: 24582387.

3: Baldanzi G, Pighini A, Bettio V, Rainero E, Traini S, Chianale F, Porporato PE, Filigheddu N, Mesturini R, Song S, Schweighoffer T, Patrussi L, Baldari CT, Zhong XP, van Blitterswijk WJ, Sinigaglia F, Nichols KE, Rubio I, Parolini O, Graziani A. SAP-mediated inhibition of diacylglycerol kinase α regulates TCR-induced diacylglycerol signaling. J Immunol. 2011 Dec 1;187(11):5941-51. doi: 10.4049/jimmunol.1002476. Epub 2011 Nov 2. PubMed PMID: 22048771; PubMed Central PMCID: PMC3221890.

4: Baldanzi G, Pietronave S, Locarno D, Merlin S, Porporato P, Chianale F, Filigheddu N, Cantelmo AR, Albini A, Graziani A, Prat M. Diacylglycerol kinases are essential for hepatocyte growth factor-dependent proliferation and motility of Kaposi's sarcoma cells. Cancer Sci. 2011 Jul;102(7):1329-36. doi: 10.1111/j.1349-7006.2011.01953.x. Epub 2011 May 18. PubMed PMID: 21477072.