

	姓名：庞秋香
	职称：教授
	联系方式： 手机：150****5049 邮箱：pangqiuxiang@163.com
个人基本情况 博士毕业于中国海洋大学，后在香港大学和浙江大学访学进修。现任生命科学学院副院长，国家基金委网评专家、全国细胞生物学会会员、山东省自然科学基金委评审专家、山东省细胞生物学会常务理事，山东省生化与分子生物学会理事、中国动物学会和山东省动物学会会员。是《Fish and shellfish immunology》、《Gene》、《Environmental Science Group》、《生命科学》和《动物学研究》等国内外杂志审稿人。 主要从事免疫、再生与抗衰老相关活性分子的功能、机理及药物靶点的筛选等方面的研究。主持国家自然科学基金项目2项、山东省自然科学基金项目2项、山东省高等学校科技计划重点项目1项、以主要成员参与国家'863'计划、'973'计划和国家自然科学基金项目等4项、参与山东省自然科学基金项目5项；山东省高等学校优秀中青年骨干教师计划和山东理工大学青年教师发展计划各1项。荣获山东理工大学高层次人才、“优秀教师”、“三八”红旗手；淄博市“十佳岗位明星”、“三八”红旗手、“优秀共产党员”、“巾帼十杰”、“三八”红旗手标兵；山东省“三八”红旗手。	
主要研究方向及简介 主要以涡虫、斑马鱼和小鼠为研究对象，开展相关基因组、转录组和蛋白组的相关组学分析；重点对免疫、再生、抗衰老、肿瘤相关基因和蛋白进行克隆、表达、功能和作用机制的研究，旨在筛选和寻找相关的潜在药物靶点。已发表SCI论文80余篇；获省部级科学技术奖励1项，山东省高等学校科学技术奖一等奖1项，山东理工大学自然科学技术二等奖2项，2017年获学校第一批“双百人才”称号。	

开设课程

担任本科生《细胞生物学》、《免疫学》（双语）、《基因工程原理》、《细胞生物学和遗传学实验》等课程的主要教学工作和研究生的动物发育与免疫理论和技术、现代生物学理论专题和分子免疫学的教学工作。2024年《细胞生物学》获批山东省线上线下混合式一流本科课程。

获山东省教学成果奖特等奖1项、二等奖2项、山东理工大学优秀教学成果二等奖；连续多年获山东理工大学教学质量奖。指导学生获第二届山东省大学生生物化学实验技能大赛一等奖、二等奖（本人获得大赛优秀指导教师称号）。被学校聘为'导航名师'、学生学习与发展指导中心指导老师、多次被评选为'我爱我师-我心中最爱的老师'的候选人。主持完成或在研教学项目5项，参与教学项目8项，发表教学论文5篇，参与出版教材2部，著作1部。

近年的项目、论文、专利、获奖

项目：

- [1] 国家自然科学基金面上项目，32470518，东亚三角涡虫 $\alpha 2$ -巨球蛋白介导补体活性参与抗菌作用的分子机制，2025.01-2028.12，50万元，在研，主持
- [2] 国家自然科学基金面上项目，31172074，涡虫补体 C3 的进化和功能及其激活途径的研究，2012.01-2015.12，58万元，已结题，主持
- [3] 国家自然科学基金青年项目，3070071，文昌鱼酚氧化酶的进化与功能研究，2008/01-2010/12，14万元，已结题，主持
- [4] 山东省自然科学基金面上项，ZR2024MC154，DGCR8/miRNA 轴调控涡虫再生过程中干细胞分化的机制研究，2025.1-2027.12，10万，在研，主持
- [5] 山东省自然科学基金联合专项，ZR2010CL002，涡虫补体激活途径的研究，2011/12-2013/12，3万，已结题，主持
- [6] 山东省自然科学基金面上项，ZR2017MC066，涡虫PLAC8的进化、功能及其参与免疫作用机制的研究，2017/08-2020/06，16万，已结题，主持
- [7] 山东省高等学校科技计划重点项目，J17KZ003，涡虫免疫相关基因的筛选与功能鉴定，2017/06-2020/06，10万，已结题，主持
- [8] 山东省自然科学基金面上项，ZR2022MC022，Rab32亚家族调控涡虫眼点再生分子机制的研究，2022/01-2025/12，10万，在研，第二位

[9] 国家自然科学基金面上项目, 31572263, 14-3-3及其调控RhoA/ROCK信号通路在涡虫中枢神经再生中的功能研究, 2016/01-2019/12, 76.8万元, 已结题, 第二位

[10] 国家自然科学基金青年科学基金项目, 31701015, Wnt-Frizzled2信号调节小鼠胚胎植入和蜕膜发育的分子机制, 2018/01-2020/12, 21万, 已结题, 第二位

[11] 山东省自然科学基金面上项, ZR2016CM18, Wnt信号分子参与斑马鱼脂肪节约蛋白质的调控机制研究, 2016/11-2019/06, 16万, 已结题, 第二位

论文:

2025

[82] Xie W, Qu J, Xing N, Gao L, Deng H, Liu D, **Pang Q***. *DjCapon* affects the neural regeneration and light sensitivity via NO and Wnt5a signaling in planarian *Dugesia japonica*. Mol Neurobiol. 2025, doi: 10.1007/s12035-025-04915-4. PMID: 40220247.

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Correction: CD133+ endothelial-like stem cells restore neovascularization and promote longevity in progeroid and naturally aged mice. *Nat Aging*. 2024, 4(1):163. doi: 10.1038/s43587-023-00543-46. PMID: 38081994.

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