

研究生国家奖学金申请审批表填写注意事项（示例）

（不要更改表格样式，正反打印在一张 A4 纸上，不要有涂改，盖章要清楚，红色字全部删除）

基本情况	姓名	张三			性别	男			出生年月	1990 年 8 月								
	政治面貌	中共党员			民族	汉			入学时间	2017 年 9 月								
	基层单位	医院名			专业	古汉语			攻读学位	文学硕士								
	学制	三年			学习阶段	☒ 硕士			学号	11720220								
						☐ 博士												
身份证号							1	9	$\frac{9}{8}$	$\frac{7}{0}$	0	8						
申请理由	基本情况的填写要求： 1.出生年月不用写到日 2.政治面貌中填写：中共党员、共青团员、中共预备党员、群众 3.学制不要写全日制 4.本示例所有红色字体不要保留 申请理由的填写要求： 1.不要用书信体 2.不要只列发表的文章或成果 3.建议打印																	
	申请人签名：手签（黑色或蓝黑色） （日期要注意逻辑顺序） 年 月 日																	

推荐意见	1. 要对学生作评价，不要简单只写同意推荐。 2. 推荐人为导师和辅导员(外点的可为科科长、科教办等管理老师)两人签字 3. 建议打印 推荐人签名：手签（黑色或蓝黑色） （日期要注意逻辑顺序） 年 月 日
评审情况	评审委员会主任委员签名： 年 月 日
基层单位意见	经评审，并在本单位内公示____个工作日，无异议，本单位申报该同学获得研究生国家奖学金。现报请研究生国家奖学金评审领导小组审定。 基层单位主管领导签名： （基层单位公章） 年 月 日
培养单位意见	经审核，并在本单位公示____个工作日，无异议，现批准该同学获得研究生国家奖学金。 （培养单位公章） 年 月 日

所提交的 SCI 论文，请参评者自行在上面标记 9 项内容：

- ① 文章影响因子；
- ② 大类和小类分区；
- ③ 标记所有一作。如果是 2 个并列一作，排名第 1，就写“共一，1/2”。如果是 3 个并列一作，排名第 2，就写“共一，2/3”；
- ④ 标记关于一作注释的那句话；
- ⑤ 标记接收或发表时间；
- ⑥ 请导师签名同意参评
- ⑦ 标记通讯作者（导师必须是通讯）
- ⑧ 通讯单位（南方医科大学 XX 医院为第一署名单位）
- ⑨ 按照评分细则该文章的得分

⑥ 属实，同意参评。 王富

① if 4.3
② 医学 3 区，药化学 4 区。

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Hydrosoluble 50% N-acetylation-thiolated chitosan complex with cobalt as a pH-responsive renal fibrosis targeting drugs

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共一，2/2.

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ABSTRACT
About 50% N-acetylation-thiolated chitosan possessing good water solubility was modified from commercial low-molecular-weight chitosan. Chitosan performed obvious target toward renal tubular epithelial cells, and bivalent cobalt ions improved the renal fibrosis inflammation significantly. There were many complexation sites on chitosan after being modified with sulfhydryl. So sulfhydryl played a role of connecting bridge between chitosan and cobalt ions. Then, this N-acetylation-thiolated chitosan cobalt (NTCC) nanocomplex was designed. The nanocomplex showed excellent stability under normal physiological conditions, and cobalt would be released from the biomaterials in acidic environment. As it was affected by inflammation, the pH in renal fibrosis lesion region was acidic. So there was a specific drug release process happening in lesion region. And drug release efficiency was determined by acidity, which demonstrated that lower the acidity, the faster and more the cobalt ion release. When this nanocomplex was intraperitoneally injected into ureter-obstructed mice, obvious attenuation of fibrotic progression was shown. It was demonstrated that NTCC exhibited special renal-targeting capacity and could be chosen as drug for treating renal fibrosis.

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KEYWORDS
Hydrosoluble chitosan; thiolated; pH responsive; renal fibrosis; targeting drug

⑨ 35分

1. Introduction
Tubulointerstitial fibrosis is widely regarded as the common pathway of chronic progressive kidney disease.[1-8] Fibrosis is defined as an excessive deposition of extracellular matrix, which leads to the destruction of organ architecture and impairment of organ function. [9-15] In addition to prototypical fibrotic lesions, chronic kidney disease is associated with defects of the tubular epithelial compartment (tubulointerstitial fibrosis).[16]
Cobalt has been previously reported in renal injury animal models.[17,18] In recent years, the effect of CoCl₂ administration on diabetic nephropathy has been investigated.

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