**附件一**

**“经典阅读计划”领读教师报名表**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **姓名** | **Honggao Yan** | **所在院部** | | **药学院药理系** | **工号** | **1620214668** | **联系方式** | **15805894613** |
| **教师简介** | | | | | | | | |
| 我是美国密歇根州立大学荣休教授，现任中国药科大学药学院教授。我是一个蛋白质生物化学家和结构生物学家，专长分子生物学、蛋白质生物化学、酶学、热力学、动力学、蛋白质核磁共振光谱学、蛋白质结晶学、量子化学计算和分子动力学模拟。我的研究兴趣集中于蛋白质结构、功能和动力学，以及在蛋白质工程和基于结构的药物设计中的应用。我曾担任两届（十年）Journal of Biological Chemistry (美国生物化学和分子生物学学会生物化学杂志) 的编委，并为20多家科学期刊审稿。我在美国国立卫生研究院评审小组和美国国家科学基金评审小组任评委多年。在国内，我曾担任北京大学客座教授，中国科学院长春应用化学研究所客座教授，和中国科学院武汉物理与数学研究所海外知名学者和客座教授。  I am Professor Emeritus of Michigan State University, USA and currently Professor of School of Pharmacy, China Pharmaceutical University. I am a protein biochemist and structural biologist, with expertise in molecular biology, protein biochemistry, enzymology, thermodynamics, kinetics, protein NMR, protein crystallography, quantum chemical calculation, and molecular dynamics simulation. My research interests focus on protein structure, function, and dynamics with applications to protein engineering and structure-based drug design. I have served on the editorial board of Journal of Biological Chemistry for two terms for ten years and as an ad hoc reviewer for over 20 scientific journals. I have served on the study sections of National Institutes of Health of USA for many years and the review panels of National Science Foundation of USA for many years. In China, I have been a guest professor of Peking University and a guest professor of Changchun Institute of Applied Chemistry, Chinese Academy of Sciences and served as an oversea eminent scholar and guest professor at Wuhan Institute of Physics and Mathematics, Chinese Academy of Sciences. | | | | | | | | |
| **计划阅读书目** | | | | | | | | |
| **序号** | **书籍名称** | | **书籍简介（书籍内容、书籍推荐理由、领读意义）** | | | | | |
| **1** | An Elegant Defense: The Extraordinary New Science of the Immune System: A Tale in Four Lives | | **书籍内容**  **中文版：**  **优雅的守卫者: 人类免疫系统的故事**  **豆瓣介绍**  https://book.douban.com/subject/34994974/  你会读到：  一名几乎可以说是从坟墓中 复活的绝症患者一场抗击艾滋病毒的医学奇迹; 两名女性发现自己的身体在攻击自; 从鸡、狗、海星与魔术子弹到生命狂欢节的不速之客; 讲述长达数世纪的科学探索、侦探般的故事; 这是属于科学的侦探故事般精彩的探索历史, 更是属于人类的希望、勇气与爱的动人篇章。  -  你还会了解到：  当我们说“免疫力”的时候，我们究竟在说什么？原来癌症和免疫系统有关！免疫系统会和发动机一样“过热”吗？我们的大脑也和免疫系统有关？失眠、焦虑、抑郁……竟然都和免疫系统有关？为什么期末考试之后你更容易生病？如何才能活得更久、更健康？怎样的生活方式才比较健康？  -  免疫系统是人体必不可少的防御系统，它守护着我们对抗疾病，治愈伤口，维持秩序和平衡。经过几千年的发展，它已经过不断磨练，以面对几乎无限的威胁。然而，尽管免疫系统是如此复杂精妙，但它依旧容易因疲劳、压力、营养不良甚至过度卫生等因素而受到损害。它是一种脆弱而奇迹的武器。  作为一位杰出的记者、作家，普利策奖得主马特·里克特以扎实的材料和动人的笔触，为我们讲述了属于科学的侦探故事。从黑死病到20世纪的疫苗和抗生素突破，再到革新性免疫学研究的实验室，这也许是我们这个时代最特殊，最重要的医学故事。与此同时，这些故事也是在你我身上每日上演的希望、勇气与爱的故事。  **English Edition:**  **An Elegant Defense: The Extraordinary New Science of the Immune System: A Tale in Four Lives by Matt Richtel**  **Douban Description**  <https://book.douban.com/subject/33297296/>  A grand tour of the human immune system and the secrets of health, by the Pulitzer Prize–winning New York Times journalist.  A terminal cancer patient rises from the grave. A medical marvel defies HIV. Two women with autoimmunity discover their own bodies have turned against them. Matt Richtel's An Elegant Defense uniquely entwines these intimate stories with science’s centuries-long quest to unlock the mysteries of sickness and health, and illuminates the immune system as never before.  The immune system is our body’s essential defense network, a guardian vigilantly fighting illness, healing wounds, maintaining order and balance, and keeping us alive. Its legion of microscopic foot soldiers—from T cells to “natural killers”—patrols our body, linked by a nearly instantaneous communications grid. It has been honed by evolution over millennia to face an almost infinite array of threats.  For all its astonishing complexity, however, the immune system can be easily compromised by fatigue, stress, toxins, advanced age, and poor nutrition—hallmarks of modern life—and even by excessive hygiene. Paradoxically, it is a fragile wonder weapon that can turn on our own bodies with startling results, leading today to epidemic levels of autoimmune disorders.  Richtel effortlessly guides readers on a scientific detective tale winding from the Black Plague to twentieth-century breakthroughs in vaccination and antibiotics, to the cutting-edge laboratories that are revolutionizing immunology—perhaps the most extraordinary and consequential medical story of our time. The foundation that Richtel builds makes accessible revelations about cancer immunotherapy, the microbiome, and autoimmune treatments that are changing millions of lives. An Elegant Defense also captures in vivid detail how these powerful therapies, along with our behavior and environment, interact with the immune system, often for the good but always on a razor’s edge that can throw this remarkable system out of balance. Matt Richtel has produced a landmark book, equally an investigation into the deepest riddles of survival and a profoundly human tale that is movingly brought to life through the eyes of his four main characters, each of whom illuminates an essential facet of our “elegant defense.”  **书籍推荐理由、领读意义**  The immune system is one of the most critical systems to human health and medicine. Consequently, it is one of the most important areas for drug discovery and development, both small molecule drugs and, particularly, biopharmaceuticals. This book, “An Elegant Defense: The Extraordinary New Science of the Immune System,” is one of the best popular science books about the immune system. It is also written with simpler words, well suited for students with English as a second language. | | | | | |
| **2** |  | |  | | | | | |
| **3** |  | |  | | | | | |
| **4** |  | |  | | | | | |
| **“经典阅读计划”活动安排** | | | | | | | | |
| **序号** | **日期** | **活动内容（书籍名、活动形式、活动内容）** | | | | | | |
|  | Weeks 1-12 | We will read the book in about 12 weeks. We will read as well as listen to a professional narrator reading the book and discuss it. If time permits we will also watch some videos about the immune system. | | | | | | |
|  |  |  | | | | | | |
|  |  |  | | | | | | |