Survey on Status Quo and Development Needs of Research and Innovation Capabilities of Young Talents in University-affiliated Hospitals

Hi! We are conducting a survey on the status quo and development demand of innovation capacities among young researchers in university-affiliated hospitals (UAHs), in an attempt to further optimize the training mechanisms for young talents and promote the career development of young researchers in these institutions. The survey is anonymous, and all the data will be used only for research purposes. All the information provided will be kept confidential. Thank you for your participation!

Note: You must meet the following two requirements: a) younger than 41 years old; and b) having been engaged in scientific research, technical development, scientific research service, science popularization, and other scientific research activities.

1. Demographic data

This section contains single-choice questions. Please choose one answer according to the actual situation.

1. Your gender [sing OA. Male	gle choice] *				
OB. Female					
2. Your age: [single	choice] *				
OA. 25 years old or younger	○B. 26 - 30 ye	ears old	OC. 31 -	35 years old	O D. 36 - 40 years (including 40 years old)
3. Your highest education level: [single choice] *					
OA. Undergraduate and below	OB. Master de	OB. Master degree		OC. Doctor degree	
4. How long have you been engaged in scientific research-related work (specifically after formal employment): [single choice] *					
○ A. 0 - 5 years	○ B. 6 - 10 ye	ears	O C. 11 -	· 15 years	O D. Over 16 years
5. What's your profe OA. Senior (e.g. professor)	essional title? [single	choice] * OC. Mid- (e.g. lectu		○D. Junior (e. assistant)	g.
6. What's your research interest(s) (please specify): [fill in the blank] *					

7. Are you a part-time or full-time researcher: [sin	gle choice] *			
OA. Part-time OB. Full-time				
2. Assessment of innovation capabilities of young researchers in UAHs 2.1 This section is a self-assessment of innovation capabilities. Please mark correctly according to the actual situation.				
8. Self-assessment of innovation capabilities [mat	rix questions]*			
	Very good	Average	Poor	
1. Your sensitivity to discover problems during clinical practice and scientific research	0	0	0	
2. Your courage to explore a new field	0	0	0	
3. Your willingness to overcome difficulties or challenges during innovations	0	0	0	
4. Critical thinking	0	0	0	
5. Your sensitivity to cutting-edge knowledge and new industrial development information	0	0	0	
6. Your capabilities to master innovation theories, tools, and methodologies	0	0	0	
7. Your capability to conduct academic exchanges and learning	0	0	0	
8. Your ability to analyze, judge, and summarize problems independently	0	0	0	
9. Your ability to apply new theories and new technologies to solve real-world issues	0	0	0	
10. Your teamwork, organization/coordination capabilities, and industry-university-research collaboration ability	0	0	0	
11. Your ability to complete a research project independently:	0	0	0	
9. Why did you choose the current main research interest(s): [multiple-choice questions] *				
☐ A. Continued the research direction during the doctoral study period				
☐B. Obeyed the arrangement of the current scientific research team				
☐C. Followed my own interest				
\Box D. Met the major or urgent demands or the society and industry				
☐ E. Focused on the latest research hotspots				

10. How about your research team: [multiple-choice questions] *					
\Box A. I have my own research team.					
☐B. I have joined a	☐B. I have joined a research team.				
\Box C. I work alone.					
-	al with the general a		affairs such as	forms filling, rein	nbursement, and
☐A. I complete gen	neral administrative	affairs by mys	elf.		
□B. I complete ger	neral administrative	affairs with m	y team.		
☐C. They are comp	pleted by the student	S.			
□D. A committed of	office in my affiliation	on completes	them.		
\Box E. They are comp	pleted by a professio	nal research se	ecretary/assista	ınt.	
2.2 This section is according to the ac	an objective assessi ctual situation.	nent of innov	ation capabili	ties. Please mark	c correctly
12. What were your achievements in scientific research and innovations in the past three years? [matrix single-choice questions] *					
	10 or more	7 - 9	4 - 6	1 - 3	0
① Scientific articles published in core journals:	0	0	0	0	0
②Formally published monographs or other academic books [single-choice question] * (Options include 4 and above, 3, 2, 1, and 0)					
O 4	O 3	O 2	O 1	C	0 (
③Patents granted: [single-choice question] * (Options include 4 and above, 3, 2, 1, and 0)					
O 4	○ 3	O 2	01	C	0 0
(Options include 8 and above, 5 - 7, 2 - 4, 1, and 0)					
○ 8 and above	O 5 - 7	O 2 - 4	01	C	0 (

⑤Other achievements (software, technology, etc): [single-choice question] *				
(Options include	4 and above, 3, 2, 1, a	and 0)		
○ 4 and above	○ 3	○ 2	O 1	\bigcirc 0
13. What's the high	est level of technolog	gy awards you have e	ver received? [single-	choice question] *
OA. National level	OB. Provincial or ministerial level	OC. Municipal level	OD. By your affiliation or other institution	OE. None
3. Your knowledge about the support (and its problems) for capacity-building of young researchers in your affiliation 3.1 Support for capacity-building of young researchers in your affiliation				
1) Attitude toward	ds capacity-building	of young researche	rs in your affiliation	
14. How well do you know about the policies of your affiliation to encourage young researchers to carry out innovative activities? [single-choice question] *				
OA. Very well	OB. Average	○C. Very little		
2) The innovative atmosphere in your affiliation				
15. What's the innovative atmosphere in your affiliation? [single-choice question] *				
OA. Very good	OB. Average	OC. Poor		
3) Platforms for capacity-building of young researchers in your affiliation				
16. What are the external supports provided by your affiliation to promote the innovative behaviors of young researchers? [multiple-choice questions] *				
☐ A. Incentive policies and support systems				
☐B. Financial support				
☐ C. Research and academic teams				
☐D. Research platforms and facilities				
☐ E. Guidance on grant application				
☐ F. Good living conditions				
☐ G. Boost of achievement transformation				
□H. Others				

4) Mechanisms of ca	pacity-bunding of	young researc	ners in your aimiation
17. Policies for support question] *	orting capacity-build	ding of young re	esearchers in your affiliation: [single-choice
· · · · · · · · · · · · · · · · · · ·	OB. Yes, but I am not interested	OC. None	○D. I don't know
5) Measures of capa	city-building of yo	ung researche	s in your affiliation
18. Does your affiliat every year? [single-ch	•	he training on c	eutting-edge knowledge or new technology
OA. Often	OB. Average	OC. Seldom	
19. What are the spec researchers: [multiple			altivate the innovative ability of young
☐ A. Cutting-edge se	minars and sympos	iums	
☐B. New skills train	ing		
☐C. Technical mento	orship programs		
☐D. Expert lecture se	eries		
□E. Academic comn	nunication with other	er institutions	
☐F. Overseas exchar	nge opportunities		
☐G. Continuing educ	cation programs		
☐H. Establishment o	of academic exchang	ge platforms	
☐I. Rewards for inno	ovative practice/beh	aviors	
□J. Others			
20. In your opinion, v your innovation capal			res you affiliation has taken in cultivating] *
☐ A. Payments			
☐B. Training/learnin	g activities		
☐C. Career promotion	on opportunities		
☐D. Technical guida	nce from teams		
\Box E. Honors and rewa	ards		
☐F. Funding of inno	vation activities		
☐G. Guidance on gra	ant application		
☐H. Others			

(2) Factors restricting the improvement of innovation ability of young researchers 21. What are the main internal factors restricting the improvement of your innovation ability? [multiple-choice questions] * ☐ A. Poor ability to acquire innovative knowledge ☐B. Poor ability to apply knowledge ☐ C. Poor ability to work under pressure □D Poor ability to develop new fields ☐ E. Poor ability to grasp innovation opportunities ☐ F. Poor ability to complete a research project independently \Box G. Unclear work goals ☐ H. Lack of enthusiasm for career ☐ I. Heavy family burden □J. Lack of discretionary time \square K. Others 22. What are the main external factors restricting the improvement of your innovation ability? [multiple-choice questions] * ☐ A. Lack of a cultural atmosphere for scientific and technological innovations ☐ B. Lack of incentive policies for innovations ☐ C. Lack of support from research platforms □D. Weak organization/management levels ☐ E. Unreasonable evaluation indicators of professional titles ☐ F. Unreasonable evaluation indicators of researchers ☐ G. Unreasonable postgraduate tutor selection policy ☐ H. Insufficient funding in scientific research ☐I. Low efficiency of innovation achievement transformation ☐ J. Lack of training on scientific research ☐ K. Lack of talent training program and support system □L. Lack of support on living conditions ☐ M. Lack of leadership from senior peers

 \square N. Others

23. Which of the following system has a greater impact on your innovation ability: [multiple-choice questions] *
☐A. Talent management system
☐B. Dedicated policies for young talent training
☐C. Reviewing system for scientific research projects
☐D Rewarding policies for scientific and technological innovations
☐E. Evaluation and assessment systems
☐F. Professional title-based promotion policy
☐ G. Postgraduate tutor selection policy
☐ H. Research fund use policy
\Box I. Others
24. What are the problems of the government in cultivating the innovative ability of young researchers? [multiple-choice questions] *
\Box A. Insufficiency in creating an innovation-friendly environment
☐B. Inadequate policy support
☐C. Insufficient support for special projects
□D. Weak risk management and control
☐ E. Highly restrictive and less inclusive in capacity-building
☐F. Low support for achievement transformation
\square G. Others
25. What are the problems of your affiliation in cultivating the innovative ability of young researchers? [multiple-choice questions] *
□ A. Paying more attention to research achievements rather than capacity-building
☐B. Lack of a cultural atmosphere for scientific and technological innovations
☐ C. Poor effectiveness of training and learning activities
□D. Narrow promotion path for young researchers
☐ E. Lack of academic exchange platforms
☐ F. Lack of continuing education opportunities
\square G. Lack of support from research platforms
☐ H. Difficulty in transforming innovation achievements
□ I. Lack of leadership from senior peers
□J. Others

4. Recommendations on capacity-building of young researchers

26. Which measures do you think the government should take to improve the cultivation of innovative ability of young researchers? [multiple-choice questions] *
☐ A. Creating an open innovation-friendly environment
☐B. Strengthening top-level policy-making
☐C. Improving the design of training programs
\Box D. Increasing the awareness of training policies
☐E. Making full use of the resources of all stakeholders
☐F. Increasing funding for youth projects
\Box G. Strengthening the services offered by scientific and technological talent departments
□H. Others
27. Which measures do you think your affiliation should take to improve the cultivation of innovative ability of young researchers? [multiple-choice questions] *
☐ A. Creating an open innovation-friendly environment
☐B. Strengthening external supports
☐ C. Developing capacity-building mechanisms
☐D. Increasing financial investment
☐E. Optimizing talent assessment mechanisms
☐F. Increasing organization/management levels
☐G. Offering more training programs
☐ H. Providing platforms to exert innovative capabilities
☐ I. Developing multiple incentive mechanisms
\Box J. Others
28. Are you satisfied with the cultivation of the innovative ability of young researchers in your affiliation? [single-choice question] *
OA. Satisfied OB. Average OC. Dissatisfied
29. Do you have more suggestions on the cultivation of the innovative ability of young researchers? [Please specify]