Approval Form (1B)
A completed form is required for each student, including all team members.

 Student Acknowledgment: 	ent and Parent		
. Lundaretand the risks and			
understand the risks and	possible dangers to me o	f the proposed rese	arch plan.
			tional Rules when conducting this
research.	and datachines and will a	dicie to da interna	cional rates when conducting and
 I have read and will abide b 	y the following Ethics st	atement	
are not condoned at any level of resear or presentation of other researcher's w competition in affiliated fairs and ISEF.	rch or competition. Such p vork as one's own, and fal	practices include but	integrity. Scientific fraud and misconduct are not limited to plagiarism, forgery, use audulent projects will fail to qualify for
Jingyue Zhang	OLIGIA	nes	06/16/19
Student's Printed Name	Signature		Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.)
 b. Parent/Guardian Approval: Research Plan/Project Summ 			
	ary. I consent to my cond	participating in thi	
Jian Zhang	- / pm	/	06/16/19
Parent/Guardian's Printed Name	Signature		Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.)
BEFORE experimentation (humans, ve hazardous biological agents).		OR	with no prior fair SRC/IRB approval.
The SRC/IRB has carefully studied this proj Project Summary and all the required form signature indicates approval of the Research before the student begins experimentation	ns are included. My ch Plan/Project Summary	proper institution	onducted at a regulated research institution school, etc.), was reviewed and approved by the al board before experimentation and complies es. Attach (1C) and any required institutional CUC, IRB).
Project Summary and all the required form signature indicates approval of the Researd before the student begins experimentation	ns are included. My ch Plan/Project Summary	proper institution with the ISEF Rule	school, etc.), was reviewed and approved by the al board before experimentation and complies es. Attach (1C) and any required institutional
Project Summary and all the required form signature indicates approval of the Research	ns are included. My ch Plan/Project Summary	proper institution with the ISEF Rule	school, etc.), was reviewed and approved by the all board before experimentation and complies is. Attach (1C) and any required institutional CUC, IRB).
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Project Summary and all the required form signature indicates approval of the Research before the student begins experimentation SRC/IRB Chair's Printed Name Signature Date of	ns are included. My ch Plan/Project Summary f Approval (mm/dd/yy) rior to experimentation.) C Approval (Require Electric Competition at Reg	proper institution with the ISEF Rule approvals (e.g. IAC SRC Chair's Printe Signature Institution of the ISEF Rule approvals (e.g. IAC SIGNATURE) SIGNATURE Institution of the ISEF Rule approvals (e.g. IAC SIGNATURE) SIGNATURE Institution of the ISEF RULE approvals (e.g. IAC SIGNATURE) SIGNATURE Institution of the ISEF RULE approvals (e.g. IAC SIGNATURE) SIGNATURE Institution of the ISEF RULE approvals (e.g. IAC SIGNATURE) SIGNATURE INSTITUTION OF THE INSTITUTION O	school, etc.), was reviewed and approved by the all board before experimentation and complies as. Attach (1C) and any required institutional CUC, IRB). Compared to the compared institutional CUC, IRB).
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(where applicable)