## Approval Form (1B)

A completed form is required for each student, including all team members.

<ol> <li>To Be Completed by Student and Paren</li> </ol>	1.	To Be	Comp	leted b	y Student	and	Paren
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- a. Student Acknowledgment:
  - I understand the risks and possible dangers to me of the proposed research plan.
  - I have read the Intel ISEF Rules and Guidelines and will adhere to all International Rules when conducting this research.
  - I have read and will abide by the following Ethics statement

misconduct are not condoned at any lev	el of research or competition of other researcher's work a	of honesty and integrity. Scientific fraud and n. Such practices include but are not limited to s one's own, and fabrication of data. Fraudulent Intel ISEF.
Saba Guizar	Adba las	- 6/26/19
Student's Printed Name	Signature	Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.)
b. Parent/Guardian Approval: I have Research Plan/Project Summar	y. I consent to my child part	risks and possible dangers involved in the icipating in this research.
Noreen Rehan	Noteen Elev	7/03/19
Parent/Guardian's Printed Name	Signature	Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.)
a. Required for projects that need prior SRC, BEFORE experimentation (humans, verteb	/IRB approval b. rates or potentially	Required for research conducted at all Regulated Research Institutions with no prior fair SRC/IRB approval.
hazardous biological agents).  The SRC/IRB has carefully studied this project's Project Summary and all the required forms are signature indicates approval of the Research Pl Summary before the student begins experiment	Research Plan/ (not by the an/Project comp	project was conducted at a regulated research institution home or high school, etc.), was reviewed and approved a proper institutional board before experimentation and olies with the Intel ISEF Rules. Attach (1C) and any required autional approvals (e.g. IACUC, IRB).
SRC/IRB Chair's Printed Name	Dr.	Grace Rossi Ph.D.

3. Final Intel ISEF Affiliated Fair SRC Approval (Required for ALL Projects)

Date of Approval (mm/dd/yy)

(Must be prior to experimentation.)

SRC Approval After Experimentation and Be I certify that this project adheres to the appro	[[18] [18] [18] [18] [18] [18] [18] [18]	ate/National Fair mary and complies with all Intel ISEF Rules.
Regional SRC Chair's Printed Name	Signature	Date of Approval (mm/dd/yy)
State/National SRC Chair's Printed Name (where applicable)	Signature	Date of Approval (mm/dd/yy)

Signature

Signature

Date of Approval (mm/dd/yy)

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<ol> <li>To Be Completed by Student and Par</li> </ol>	ent
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- a. Student Acknowledgment:
  - I understand the risks and possible dangers to me of the proposed research plan.
  - I have read the Intel ISEF Rules and Guidelines and will adhere to all International Rules when conducting this research.
  - I have read and will abide by the following Ethics statement

Student researchers are expected to maintain the highest standards of honesty and integrity. Scientific fraud and misconduct are not condoned at any level of research or competition. Such practices include but are not limited to plagiarism, forgery, use or presentation of other researcher's work as one's own, and fabrication of data. Fraudulent projects will fail to qualify for competition in affiliated fairs and the Intel ISEF.

projects will fail to qualify for compet	ition in affiliated fairs and the Intel I — <i>Terese</i> Buong	
Student's Printed Name	Signature	Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.)
이 보기가 보는 사람이 되었다. 경기를 경기를 하게 되었다면 하면 하다면 하는데	have read and understand the risks a ary. I consent to my child participati	and possible dangers involved in the ing in this research.
LINDA NGUYEN	Nday	6/26/19
Parent/Guardian's Printed Name	Signature	Date Acknowledged (mm/dd/yy) (Must be prior to experimentation.)

2. To be completed by the local or affiliated Fair SRC (Required for projects requiring prior SRC/IRB APPROVAL. Sign 2a or 2b as appropriate.)

Required for projects that need prior SRC/IRB approval     BEFORE experimentation (humans, vertebrates or potentially hazardous biological agents).	b. Required for research conducted at all Regulated Research Institutions with no prior fair SRC/IRB approval.  OR
The SRC/IRB has carefully studied this project's Research Plan/ Project Summary and all the required forms are included. My signature indicates approval of the Research Plan/Project Summary before the student begins experimentation.	This project was conducted at a regulated research institution (not home or high school, etc.), was reviewed and approved by the proper institutional board before experimentation and complies with the Intel ISEF Rules. Attach (1C) and any required institutional approvals (e.g. IACUC, IRB).
SRC/IRB Chair's Printed Name	Dr. Grace Rossi Ph.D.  SRC Chair's Printed Name
Signature Date of Approval (mm/dd/yy) (Must be prior to experimentation.)	Signature Posse 9/12/19 Date of Approval (mm/dd/yy)

3. Final Intel ISEF Affiliated Fair SRC Approval (Required for ALL Projects)

SRC Approval After Experimentation and Bell certify that this project adheres to the appro	HONON 아이는 아이는 아이는 이 그를 보고 있는 아이를 하는 것이 없는 사람들이 되었다면 하는데	
Regional SRC Chair's Printed Name	Signature	Date of Approval (mm/dd/yy)
State/National SRC Chair's Printed Name (where applicable)	Signature	Date of Approval (mm/dd/yy)