ANNEX

Background info on Intel ISEF 2017

here are scientific categories in nte nternationa cience and Engineering Fair nte EF ithin each category the fo o ing a ards are presented

Raffles nstitution

on the ***Fourth Award*** in the category of ranslational Medical cience and ***special awards*** fro the National Aeronautics and pace Administration and the National Anti ivisection ociety

effects of drugs on human heart cells ini e traditional ethods of testing drugs on animals Andreas ethod of singinduced pluripotent ste i r

	his pro ect as cond cted nder the entorship of Professor o Chorng r and Dr L npeng fro Nationa ni ersity of ingapore
Lim Hai Leong Shawn **Dominic Yap Wei Ting** **Lim Wei Leong Bryan** ea P Year a Chong nstit tion on a ***Special Award*** presented y ing A d Aziz his Co panions Fo ndation for Giftedness and Creati ity in the category of En iron enta Engineering Recycling and aste Manage ent	**Versatile Usage of Spent Coffee as an Eco-Friendly Water Purifier** he tea s research tac ed oth iss es of ater p rification and aste anage ent hey de eoped a ater p rification g containing car on and si e nanoparticle adsor ents synthesised in an eco friendly nner fro coffee aste that as effecti e in re o ing hea y eta ions as ea s acteria fro ater his has potentia applications in ater p rification for disaster rea ief and do estic se his schoo ased research pro ect as done nder the g idance of Mrs o Yo e eo fro a Chong nstit tion he tea shared that hile their research o rney had its ps and do ns the o rney had i ed in the the i portance of perse erance and sheer deter ination
Chan Hsi-Min ndi id a P Year 4 Raffles Girs. choo econdary	**Inexpensive and Accurate Test Kit for Zika: Point-of-Care Diagnostics in 10 Minutes with Paper-Based Serological Flow Device** nder the category of Bio edica Engineering ine pensi e paper ased test its ha e een de eoped for rapid acc rate Zi a screening Zi a non str ct ra protein N in ood can e detected ithin in tes ith e cement sensiti ity and sea ecti ity he assays are tipa ed to pro ide si taneo s detection and differentiation of Zi a and Deng e N si Min cond cted her research nder the entorship of Dr oh n i fro the A AR nstit te of Bioengineering and Nanotechnology BN si Min fea that fro participating in dia og es to interacting ith fe o co petitors and a ing international friends nte EF as tr y a ery ea ningf a e perience