

Technical Note

Publications on *in vivo* delivery of nucleic acid with Polyplus reagents by target organs/tissue

Reagent used: *in vivo*-jetPEI[®], unless specified

Target organ	DNA, oligonucleotides and plasmid-based shRNA	siRNA and RNA
Adipose tissue		miRNA delivery Giroud <i>et al.</i> , (2016) <i>Sci Rep</i> 6 :28613
Airway tract		siRNA delivery Aguilera-Aguirre <i>et al.</i> , (2014) <i>J Immunol</i> 193, 4643.
Blood Brain Barrier		siRNA delivery Keaney <i>et al.</i> , (2015) <i>Sci Adv</i> 1(8):e1500472 Campbell <i>et al.</i> , (2012) <i>Nat Commun</i> 3:849
Blood cells		siRNA delivery Dalli <i>et al.</i> , (2014) <i>EMBO Mol Med</i> 6(1), 27.
Blood vessel	shRNA plasmid delivery Tseng <i>et al.</i> , (2015) <i>J Vasc Surg</i> Poly(I:C) delivery Asdonk <i>et al.</i> , (2016) <i>J Cell Mol Med</i> 20(9):1696-705	siRNA delivery Paneni <i>et al.</i> , (2014) <i>Atherosclerosis</i> 136(2), 426. Liu <i>et al.</i> , (2013) <i>J Cell Biol</i> 201, 863. Shin <i>et al.</i> , (2013) <i>J Hypertens</i> 31, 1575. Paneni <i>et al.</i> , (2012) <i>Circ Res</i> 111, 278-8. Choi <i>et al.</i> , (2008) <i>J Biol Chem</i> 283, 20186 Wang <i>et al.</i> , (2008) <i>Hypertension</i> 52, 484 Kudo <i>et al.</i> , (2007) <i>Arterioscler Thromb Vasc Biol</i> 27, 1562 Song <i>et al.</i> , (2007) <i>Circulation</i> 116, 1585
Bladder	DNA delivery by bladder instillation Matouk <i>et al.</i> , (2013) <i>Int J Mol Sci</i> 14, 4298 Amit <i>et al.</i> , (2011) <i>Int J Clin Exp Med</i> 4, 91 Amit and Hochberg (2010) <i>J Transl Med</i> 8, 134 Sidi <i>et al.</i> , (2008) <i>J Urology Supplement</i> 179 Ohana <i>et al.</i> , (2004) <i>Gene Ther Mol Bio</i> 8, 182	
Bone		miRNA mimic, miRNA inhibitors, antagomiR Zhao <i>et al.</i> , (2016) <i>Sci Rep</i> 6 :26611 siRNA and STICKY SIRNA delivery Zheng <i>et al.</i> , (2015) <i>Bone</i> 83. 190-196. Capulli <i>et al.</i> , (2015) <i>Mol Ther Nucleic Acids</i> 4:e248

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<p>Brain</p>	<p>DNA delivery Ran <i>et al.</i>, (2015) <i>Neural Regen Res</i> 10, 1258-64. Soroceanu <i>et al.</i>, (2015) <i>Cancer Res</i> 75, 3065-76. Zuckermann <i>et al.</i>, (2015) <i>Nature Commun</i> 6, 7391. Kosaka <i>et al.</i>, (2014) <i>Cancer Immunol Immunother</i> 63, 847-5. Oh <i>et al.</i>, (2013) <i>Eur J Nucl Med Mol Imaging</i> 40, 1607 Lopez-Juarez <i>et al.</i>, (2012) <i>Cell Stem Cell</i> 10, 531-4 Schaffer <i>et al.</i>, (2010) <i>Brain Res</i> 1362, 32 Uchida <i>et al.</i>, (2010) <i>J Neurosci</i> 30, 15007 Wiesner <i>et al.</i>, (2009) <i>Cancer Res</i> 69, 431 Jouvert <i>et al.</i>, (2004) <i>J Neurosci</i> 24, 10716 Wu <i>et al.</i>, (2004) <i>Brain Res</i> 1008, 284</p> <p>shRNA delivery Cruz <i>et al.</i>, (2015) <i>J Neurosci</i> 35(36) :12394-403 Sedbazar <i>et al.</i>, (2013) <i>Biochem Biophys Res Commun</i> 434, 434 Karatas <i>et al.</i>, (2013) <i>Science</i> 339, 1092 Hassani <i>et al.</i>, (2007) <i>Nucl Acid Res</i> 35, e65</p> <p>Oligonucleotides delivery Teplyuk <i>et al.</i>, (2016) <i>EMBO Mol Med</i> 8(3) :268 De Rivero Vaccari <i>et al.</i>, (2015), <i>J Neurochem</i> Zhang <i>et al.</i>, (2009), <i>J Neurosci</i> 29, 13823</p>	<p>siRNA delivery Karatas <i>et al.</i>, (2013) <i>Science</i> 339, 1092 Using jetSI® 10 mM Bender <i>et al.</i>, (2013). <i>Neurobiol Dis</i> 54, 297 Using jetSI™ 10 mM Griggs <i>et al.</i>, (2013). <i>J Neurosci</i> 33, 1734. Using jetSI™ 10mM Smith <i>et al.</i>, (2012) <i>J Neurosci Methods</i> 203, 398 Using jetSI® 10 mM Li <i>et al.</i>, (2012). <i>Addict Biol</i> 17, 392-4. Using jetSI™ 10 mM Chauvier <i>et al.</i>, (2011) <i>Cell Death Dis</i> 2, e203 Using jetSI® 10 mM Carlsson <i>et al.</i>, (2011) <i>Ann Neurol</i> 70, 781 Using jetSI® 10 mM Tai <i>et al.</i>, (2011) <i>Embo J</i> 30, 205-2 Using jetSI® 10 mM Zhang <i>et al.</i>, (2011). <i>Am J Phys Heart Circ Phys</i> 302. Using jetSI™ 10mM Badaut <i>et al.</i>, (2011) <i>J Cereb Blood Flow Metab</i> 31, 819 Using INTERFERin® Batassa <i>et al.</i>, (2010) <i>Neurosci Lett</i> 471, 185 Using <i>in vivo</i>-jetPEI® Cakir <i>et al.</i>, (2009) <i>PLoS One</i> 4, e8322 Using jetSI® 10 mM Dominska <i>et al.</i>, (2010) <i>J Cell Sci</i> 123, 1183 Using jetSI® 10 mM Cheret <i>et al.</i>, (2008) <i>J Neurosci</i> 28, 12039 Using jetSI® 10 mM Froidevaux <i>et al.</i>, (2006) <i>EMBO Rep.</i> 7, 1035 Using jetSI® 10 mM Guissouma <i>et al.</i>, (2006) <i>Neuroscience Letters</i>, 406, 240 Using jetSI® 10 mM Kumar <i>et al.</i>, (2006) <i>PLoS Med</i> 3, e96 0505 Using jetSI® 10 mM Hassani <i>et al.</i>, (2005). <i>J Gene Med</i> 7, 198 Using jetSI® 10 mM</p> <p>miRNA delivery Smith <i>et al.</i>, (2015), <i>Hum Mol Genet</i> 24, 6721-35</p>
<p>Eye</p>	<p>shRNA delivery by intravitreal injection Zhang <i>et al.</i>, (2012) <i>Cell Rep</i> 2(5), 1272 Liao and Yau (2007) <i>Biotechniques</i> 42, 285</p>	<p>DNA delivery Yuan <i>et al.</i>, (2013) <i>PLoS ONE</i> 8, e6071</p>
<p>Gallbladder/Biliary system</p>	<p>DNA delivery Yamada <i>et al.</i>, (2015) <i>Hepatology</i> 61.1627-42</p>	

<p>Gastrointestinal tract</p>	<p>DNA delivery He <i>et al.</i>, (2016) <i>PLoS Pathog</i> 12(7) :e1005743 Wirtz <i>et al.</i>, (2011) <i>Gastroenterology</i> 141, 1875</p> <p>Oligonucleotides delivery Dabertrand <i>et al.</i>, (2010) <i>Eur J Pharmacol</i> 628, 36</p>	<p>siRNA delivery Feng <i>et al.</i>, (2011) <i>PLoS ONE</i> 6, e2365</p> <p>miRNA mimic, miRNA inhibitors, antagomiR Nezami <i>et al.</i>, (2014) <i>Gastroenterology</i> 146(2), 473.</p>
<p>Heart</p>	<p>DNA delivery Li <i>et al.</i>, (2015) <i>Antiviral Res</i> 123 :50-61 Dallabrida <i>et al.</i>, (2008) <i>Faseb J</i> 22, 3010</p> <p>mRNA delivery Huang <i>et al.</i>, (2015) <i>Mol Pharm</i> 12(3):991-6</p>	<p>siRNA delivery Pei <i>et al.</i>, (2016) <i>Free Radic Biol Med</i> 97:408-17 Pei <i>et al.</i>, (2015) <i>Free Radic Biol Med</i> 82, 114-21 Cilenti <i>et al.</i>, (2011) <i>J Mol Cell Cardiol</i> 50, 652 Ye <i>et al.</i>, (2010). <i>Methods Find Exp Clin Pharmacol</i> 32, 391 Kim <i>et al.</i>, (2010) <i>Cardiovasc Res</i> 87, 119</p> <p>miRNA mimic, miRNA inhibitors, antagomiR Du <i>et al.</i>, (2016) <i>Free Radic Biol Med</i> 96 :406-17 Veliceasa <i>et al.</i>, (2015) <i>Vasc Cell</i> 7. 6 Wahlquist <i>et al.</i>, (2014) <i>Nature</i> 508(7497), 531</p>
<p>Immune cells</p>	<p>DNA delivery Robbins <i>et al.</i>, (2008) <i>Hum Gene Ther</i> 19, 991 Liszewicz <i>et al.</i>, (2006) <i>Curr Drug Deliv</i> 3, 83</p> <p>Oligonucleotides delivery Matsumoto <i>et al.</i>, (2015) <i>Nature Commun</i> 6, 6280 Takagi <i>et al.</i>, (2011) <i>Immunity</i> 35, 958</p> <p>miRNA delivery Stickel <i>et al.</i>, (2014) <i>Blood</i> 124, 2586-95. Cubillos-Ruiz <i>et al.</i>, (2012) <i>Cancer Res</i> 72, 1683.</p> <p>5'-PPP-dsRNA Chiang <i>et al.</i>, (2015) <i>J Virol</i> 89, 8011-25 Beljanski <i>et al.</i>, (2015) <i>J Virol</i> 89, 10612-24</p>	<p>siRNA delivery Zhang <i>et al.</i>, (2015) <i>Int J Clin Exp Med</i> 8, 15146-54. Liu <i>et al.</i>, (2014) <i>J Virol</i> 88, 4229. Ellermeier <i>et al.</i>, (2013) <i>Cancer Res</i> 73(6), 1709. Mostafa Anower <i>et al.</i>, (2012) <i>Eur J Pharmacol</i> 688, 76-83 Kim <i>et al.</i>, (2012) <i>Free Radic Biol Med</i> 53, 629-4 Lee <i>et al.</i>, (2010) <i>J Inflamm (Lond)</i> 7, 31 Besch <i>et al.</i>, (2009) <i>J Clin Invest</i> 119, 2399 Poeck (2008) <i>Nature Med</i> 14, 1256 Cubillos-Ruiz (2009) <i>J Clin Invest</i> 119, 2231</p> <p>Poly(I:C) delivery Wu <i>et al.</i>, (2011) <i>Cancer Immunol Immunother</i> 60, 1085 Tormo <i>et al.</i>, (2009) <i>Cancer Cell</i> 16, 103 Besch <i>et al.</i>, (2009) <i>J Clin Invest</i> 119, 2399</p>

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<p>Immunization</p>	<p>Yu <i>et al.</i>, (2016) <i>Vaccine</i> 34(37):4399 Chiang <i>et al.</i>, (2015) <i>J Virol</i> 89, 8011 Beljanski <i>et al.</i>, (2015) <i>J Virol</i> 89, 10612 Bivas-Benita <i>et al.</i>, (2013) <i>Mucosal Immunol</i> 6(1), 156 Ochoa-Callejero <i>et al.</i>, (2010) <i>Vaccine</i> 28, 5323 Bivas-Benita <i>et al.</i>, (2010) <i>J Virol</i> 84, 5764 Serba <i>et al.</i>, (2008) <i>Gut</i> 57, 344 Cid-Arregui <i>et al.</i>, (2003) <i>J Virol</i> 77, 4928</p>	
<p>Joints and articulations</p>	<p>siRNA delivery Kramer <i>et al.</i>, (2010). <i>Arthritis Rheum</i> 62, 3109. (temporomandibular joint)</p>	<p>Poly(I:C) delivery Magnusson <i>et al.</i>, (2006) <i>Arthritis Rheum</i> 54, 148 Zare <i>et al.</i>,(2006) <i>J Leukoc Biol</i> 79, 482</p>
<p>Kidney</p>	<p>DNA delivery Zhu <i>et al.</i>, (2012). <i>Biochim Biophys Acta</i> 1822, 936-4 (Intramedullar) Wang <i>et al.</i>, (2010) <i>Hypertension</i> 55, 1129-1136 (Intramedullar) Yamada <i>et al.</i>, (2005) <i>PNAS</i> 102, 7736 (Intracortical)</p> <p>Oligonucleotides delivery Yamada <i>et al.</i>, (2005) <i>PNAS</i> 102, 7736 (Intracortical) Hernandez-Vargas <i>et al.</i>, (2005) <i>J Am Soc Nephrol</i> 16, 1673 (via the renal vein)</p> <p>shRNA delivery Wang <i>et al.</i>, (2014) <i>Am J Physiol Renal Physiol</i> 306, F1236. (injection into kidney) West <i>et al.</i>, (2014) <i>Exp Physiol</i> 99, 816-2. (injection into renal artery) Zhu <i>et al.</i>, (2014) <i>Am J Hypertens</i> 27, 107-1. (Infusion into the renal medulla) Liu <i>et al.</i>, (2008) <i>Physiological genomics</i> 36, 52 (Renal infusion)</p>	<p>siRNA delivery Li <i>et al.</i>, (2012) <i>Ren Fail</i> 34(10), 1288 (injection into renal capsule) Ji <i>et al.</i>, (2012) <i>Genomics Inform</i> 10, 40-3. (tail-vein injection)</p> <p>miRNA delivery Morishita <i>et al.</i>, (2015) <i>Int J Nanomedicine</i> 10, 3475-88</p>

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<p>Liver</p>	<p>DNA delivery Li <i>et al.</i>, (2014) <i>J Clin Invest</i> 124, 3241. (via intrabiliary injection) Nakamura <i>et al.</i>, (2013) <i>Biomed Res Int</i> 2013, 92879. (via the tail-vein) Wong <i>et al.</i>, (2011) <i>J Control Release</i> 150, 298 (via the superior temporal vein) Nishikawa <i>et al.</i>, (2008) <i>Hum Gene Ther</i> 19, 1009 (via the mesenteric vein) Timchenko <i>et al.</i>, (2006) <i>J Biol Chem</i> 281, 32806. (via the tail-vein)</p> <p>shRNA delivery Paranjpe <i>et al.</i>, (2010) <i>Am J Pathol</i> 176, 2669 (via the mesenteric vein) Williams <i>et al.</i>, (2010) <i>Am J Pathol</i> 176, 2732 (via the femoral vein) George and Tsutsumi (2007), <i>Gene Ther</i> 14, 890 (IP injection) Paranjpe <i>et al.</i>, (2007) <i>Hepatology</i>, 45, 1471 (via the mesenteric vein)</p>	<p>siRNA delivery Kim <i>et al.</i>, (2016) <i>Br J Pharmacol</i> 173(6) : 1045-57 Kang <i>et al.</i>, (2016) <i>Biochim Biophys Acta</i> 1861 :1025-35 Lee <i>et al.</i>, (2015) <i>Nat Commun</i> 6 :10154 Kim <i>et al.</i>, (2014) <i>FEBS J</i> doi :10.1111. Kim <i>et al.</i>, (2014) <i>J Biol Chem</i> 189(39), 27065. Chang <i>et al.</i>, (2014) <i>Hepatology</i> 60(4), 1251. Jin <i>et al.</i>, (2013) <i>Cell Reports</i> 3, 1-13 Xia <i>et al.</i>, (2012) <i>J Viral Hepat</i> 19, 509 Using <i>in vivo</i>-jetPEI-Gal Ebert <i>et al.</i>, (2011) <i>Gastroenterology</i> 141, 696</p> <p>Non coding RNA delivery Chen <i>et al.</i>, (2015) <i>Nucleic Acids Res.</i> 43(7):3857-69</p> <p>miRNA mimic delivery Guan <i>et al.</i>, (2015) <i>Int J Biol Sci.</i> 11(11) :1257-68 Using <i>in vivo</i>-jetPEI-Gal</p> <p>5'pppRNA delivery Liu <i>et al.</i>, (2016) <i>J Virol</i> 90, 9406</p>
<p>Lung</p>	<p>DNA delivery Stellari <i>et al.</i>, (2016) <i>J Transl Med</i> 14(1) :226 Elias <i>et al.</i>, (2016) <i>Sci Rep</i> 6 :24971 Stellari <i>et al.</i>, (2015) <i>J Transl Med</i> 13, 251 Osorio <i>et al.</i>, (2013) <i>Cell Commun Signal</i> 11, 19. Stefanov <i>et al.</i>, (2013) <i>PLoS Genetics</i> 8, e1003203 Aich <i>et al.</i>, (2012) <i>Nat Commun</i> 3, 877 Stellari <i>et al.</i>, (2012) <i>PLoS ONE</i> 7, e3971 Ansaldi <i>et al.</i>, (2011) <i>PLoS ONE</i> 6, e2509 Lin <i>et al.</i>, (2011) <i>Biomaterials</i> 32, 1978 Hu <i>et al.</i>, (2010) <i>J Gene Med</i> 12, 276 Gregory <i>et al.</i>, (2009) <i>Vaccine</i> 27, 5299</p>	<p>siRNA delivery Frye <i>et al.</i>, (2015) <i>J Exp Med</i> 212. 2267-87 Long <i>et al.</i>, (2015) <i>Respir Res</i> 16. 11. Zhang <i>et al.</i>, (2015) <i>Int J Clin Exp Med</i> 8, 15146-54. Zhou <i>et al.</i>, (2014) <i>Nat Commun</i> 5, 3619. Kim <i>et al.</i>, (2014) <i>J Biol Chem</i> 189(39), 27065. Chang <i>et al.</i>, (2014) <i>Hepatology</i> 60(4), 1251. Lin <i>et al.</i>, (2012) <i>J Virol</i> 86, 10359. Lively <i>et al.</i>, (2008) <i>J Allergy Clin immunol</i> 121, 88 Liu <i>et al.</i>, (2006) <i>Faseb J</i> 20, 2384</p>

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	<p>Poeck <i>et al.</i>, (2008) <i>Nature Med</i> 14, 1256 Liu <i>et al.</i>, (2006) <i>Mol Ther.</i> 13, 1006 Liu <i>et al.</i>, (2006) <i>Am J Respir Crit Care Med</i> 173, 566 Liu <i>et al.</i>, (2006) <i>Faseb J</i> 20, 2384 Ge <i>et al.</i>, (2004) <i>PNAS.</i> 101, 8676</p> <p>shRNA delivery Jiao <i>et al.</i>, (2015) <i>Nat Immunol</i> 16(3) :246-57 Andre <i>et al.</i>, (2015) <i>Mol Med Rep</i> 12(6) :8320-6 Wang <i>et al.</i>, (2011) <i>Arch Biochem Biophys</i> 508, 93 Zeng <i>et al.</i>, (2010) <i>Microvasc Res</i> 80, 116</p>	<p>RNA delivery Ranjan <i>et al.</i>, (2010) <i>Virol J</i>, 7, 102</p> <p>miRNA mimic, miRNA inhibitors, antagomiR Chen <i>et al.</i>, (2016) <i>J Cell Physiol</i> 231(10) :2236 Li <i>et al.</i>, (2016) <i>Nat Microbiol</i> 1(10) :16132</p> <p>5'pppRNA delivery Liu <i>et al.</i>, (2016) <i>J Virol</i> 90, 9406</p>
Mammary Gland		<p>siRNA delivery Arnandis <i>et al.</i>, (2014) <i>Biochem J</i> 459, 355-6.</p>
Muscle		<p>miRNA delivery Hsu <i>et al.</i>, (2016) <i>J Cell Mol Med</i> 21(3):519</p>
Lymph node	<p>shRNA delivery Jiao <i>et al.</i>, (2015) <i>Nat Immunol</i> 16(3) :246-57</p>	
Nerve/Spinal cord	<p>DNA delivery Cabrera <i>et al.</i>, (2015), <i>PLoS Pathog</i> 11(1):e1004571</p> <p>shRNA delivery Cheng <i>et al.</i>, (2015) <i>Pain</i> 156(11):2295-309</p>	<p>siRNA delivery Xie <i>et al.</i>, (2015) <i>Neuroscience</i> 291. 317-30 Barbosa <i>et al.</i>, (2015) <i>Mol Pain</i> 11 :60 (by intrathecal injection) Jin <i>et al.</i>, (2014) <i>J Neurosci Res</i> 92, 1690. (by intrathecal injection) Kramer <i>et al.</i>, (2014) <i>Neuroscience</i> 278, 144-5. (infusion into trigeminal ganglion) Acosta <i>et al.</i>, (2014) <i>J Neurosci</i> 34, 1494. (intra dermal) Kramer <i>et al.</i>, (2013). <i>Neuroscience</i> 245, 1-11. (by infusion into Trigeminal Ganglia) Xie <i>et al.</i>, (2013). <i>Pain</i> 154, 1170. (by injection into Dorsal Root Ganglion) Xie <i>et al.</i>, (2012) <i>Neurosci Lett</i> 515, 61-5 (by intrathecal injection) Tulleuda <i>et al.</i>, (2011) <i>Mol Pain</i> 7, 30 (by intrathecal injection) Kiguchi <i>et al.</i>, (2010). <i>Pain</i> 149, 305 (by perineural injection)</p>

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		Patte-Mensah <i>et al.</i> , (2010) <i>Pain</i> 150, 522 (by paravertebral injection) Liu, S., <i>et al.</i> , (2010) <i>Brain Res</i> 1346, 213 (by intrathecal injection) Lan <i>et al.</i> , (2010) <i>Molecular Pain</i> 6, 2 (by intrathecal injection)
Ovary	shRNA delivery Li <i>et al.</i> , (2015) <i>Cell Physiol Biochem</i> 37(3) :911-20.	
Pancreas	DNA delivery Buscail <i>et al.</i> , (2015) <i>Mol Ther</i> 23. 779-89. (Human)	siRNA delivery Kim <i>et al.</i> , (2014) <i>J Biol Chem</i> 189(39), 27065. Kim <i>et al.</i> , (2013) <i>Cell Signal</i> 25, 2348.
Skin	DNA delivery Zhang <i>et al.</i> , (2014) <i>Free Radic Biol Med</i> 69, 96-10.(SC) Angelos <i>et al.</i> , (2011) <i>Arch Facial Plast Surg</i> 13, 185-9 (topical application) McKnight <i>et al.</i> , (2008) <i>Otolaryngol Head Neck Surg</i> 139, 2459 (topical application) DNA delivery by topical application to target dendritic cells Liszewicz <i>et al.</i> , (2006) <i>Curr Drug Deliv</i> 3, 83 using <i>in vivo</i> -jetPEI®-Man Liszewicz <i>et al.</i> , (2005) <i>J Invest Dermatol.</i> 124, 160 using <i>in vivo</i> -jetPEI®-Man Liszewicz <i>et al.</i> , (2005) <i>Aids.</i> 19, 35 using <i>in vivo</i> -jetPEI®-Man	siRNA delivery Jin <i>et al.</i> , (2012) <i>J Dermatol Sci</i> 67, 88-94 (IV) Murase <i>et al.</i> , (2009) <i>J Biol Chem</i> 284, 4343 (by subepidermal injection)
Spleen	DNA delivery Lee <i>et al.</i> , (2010) <i>J Inflamm (Lond)</i> 7, 31 shRNA delivery Jiao <i>et al.</i> , (2015) <i>Nat Immunol</i> 16(3) :246-57	siRNA delivery Xiao <i>et al.</i> , (2016) <i>Nat Med</i> 22(8):906-14 Chen <i>et al.</i> , (2011) <i>Mol Immunol</i> 48, 1532 5'pppRNA delivery Liu <i>et al.</i> , (2016) <i>J Virol</i> 90, 9406
Testis	DNA delivery Xia <i>et al.</i> , (2013) <i>J Pediatr Surg</i> 48, 2140	siRNA delivery Li <i>et al.</i> , (2016) <i>Endocrinology</i> 157(7):2894 Gao <i>et al.</i> , (2016) <i>Sci Rep</i> 6 :28589 Chen <i>et al.</i> , (2016) <i>Endocrinology</i> 157(5):2140-59

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	shRNA delivery Rotgers <i>et al.</i> , (2014) <i>Cell Death Dis</i> 5, e1274.	Ma <i>et al.</i> , (2015) <i>Sci Rep</i> 5. 8894.
Tooth		antimiR delivery Khan <i>et al.</i> , (2013) <i>Eur J Oral Sci</i> 121. 303-12.
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Technical Note

Publications on *in vivo* delivery of nucleic acid with Polyplus reagents by target organs/tissue

Reagent used: *in vivo*-jetPEI[®], unless specified

	<p>Ohlfest <i>et al.</i>, (2004) <i>Mol Ther</i> 10, 260 Lavergne <i>et al.</i>, (2003) <i>Cancer Res</i> 63, 7468</p> <p>Dbait delivery Berthault <i>et al.</i>, (2011) <i>Cancer Gene Ther</i> 18, 695 Quanz <i>et al.</i>, (2009) <i>Clin Cancer Res</i> 15, 308</p> <p>shRNA delivery Hu <i>et al.</i>, (2014) <i>Int J Clin Exp Pathol</i> 7, 2143. Zhang <i>et al.</i>, (2009) <i>Ann Surg Onc</i> 16, 2617 Niola <i>et al.</i>, (2006) <i>Cancer Biol Ther</i> 5, 174 Hua <i>et al.</i>, (2007) <i>Cancer Gene Ther</i> 14, 815</p> <p>Decoy oligonucleotide delivery Canello <i>et al.</i>, (2014) <i>PLoS One</i> 9(12) :e113854</p>	<p>miRNA and pre-miRNA delivery An <i>et al.</i>, (2016) <i>Biochim Biophys Acta</i> 1862(10), 1926 Shi <i>et al.</i>, (2015) <i>Cancer Res</i> 75, 5309-17 Wang <i>et al.</i>, (2015) <i>J Pharmacol Exp Ther</i> 354, 131-41 Zhao <i>et al.</i>, (2015) <i>Biochem Pharmacol</i> 98, 602-13 Hsu <i>et al.</i>, (2014) <i>J Pathol</i> 232, 330. Kong <i>et al.</i>, (2014) <i>Cancer Res</i> 74, 3764. Song <i>et al.</i>, (2014) <i>Clin Cancer Res</i> 20, 878-8. Gabriely <i>et al.</i>, (2011) <i>Cancer Res</i> 71(10), 3563-72</p> <p>LNA delivery Cogoi <i>et al.</i>, (2013) <i>Nucliec Acids res</i> 41(7):4049</p>
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