InadditiontothePlantPatentAct(PPA)andtheP affordsprotectiontoman-madeplantsthrough35US UtilityPatent,protectionextendsbeyondplants,a bacteriaandmammalianlifeforms.Inrulingthat ispatentablesubjectmatter,theSupremeCourtin exceptions:abstractideas,productsofnature,or matter.

lantVarietyProtectionAct(PVPA),thelaw C101(UtilityPatent).Indeed,witha ndincludesotherman-madeorganismssuchas "anythingunderthesunthatismadebyman" Diamondv.Chakrabartycarvedoutthree naturalphenomenaarenotpatentablesubject

MonsantoCompanyownsUtilityPatentstogeneticall organisms(GMOs).WithitsGMOpatents,Monsantoe strategiestomaximizeitsmarket-shareand,hence, i haveledtonumerouspatent-infringementlawsuitsw outofbusiness.Manylegaltheories(includingpa arguedinMonsanto'scases.However,onequestiont thesecond-generationMonsantoseedsarepatent-eli

y-modified(GM)soybeansandotherGM employsaggressivemarketingandlegal itsprofits. Monsanto's aggressive tactics heresomeorganic farmers have been sued tentex haustion and antitrust) have been hat has not been addressed is whether or not gible subject matter.

OncetheGM-soyseedsmatureintoaGM-soyplants, andabiotically(bywind). Thus, while the first-g in a laboratory through genetic engineering, subseq product of biotic and a biotic pollination, which is dawn of time. Similar self-propagating mechanisms

thoseplantspollinatebiotically(bybees) enerationGM-soyplantmaybe"madebyman" uentgenerationsofGM-soyplantsarethe anaturalphenomenathathasexistedsincethe existinanimalsastheydoinplants.

The question that we examine in this presentation is genetically-modified organisms are outside of patennature" (or naturally-occurring phenomena).

swhetherornotsecond-generation tprotectionbecausetheyare"productsof

### "MakingSensiblePatentInvestments"-BobMacWrigh t

Inthesechallengingeconomictimes, many companies reducethecostofprotectingtheirinventionsand economizingbylookingfordiscountedattorney'sfe businessestoo,thisisaself-limitingstrategy.A costsasinvestments, justlikeinvestmentsinthe incalculablerisks, youwanttoinvestyourpatenti bestpotentialtoprovidevalueinthelongterm,a thedown-streameconomicpotentialofeachapplicat difficult, especially for early-stage technologies, asktoguideyourthinking.Forexample,isthisa againstinfringers? Howeasy might it befor a comp invention, could you tell from looking at a competi wouldyouneedtolookattheirfactory-whichmay field, will the invention be obsolete before the pa competing products, is the reroom in the market forrequirealicenseetoteardownitsfactoryandbui

and universities are looking for ways toproducts with patents. Of course, many are es;butsinceattorneyshavetoruntheir morefar-reachingstrategyistoviewpatenting stockmarket. Although there are always ngdollarsinthoseapplicationsthathavethe ndhopefullylimittheoverallcost.Evaluating ionrelativetoothersyouhavecanbe butthereareanumberofkeyquestionsyoucan patentyouwillbewillingtolicenseorenforce etitortoevadeinfringement?Ifitisaprocess tor'sproductsthattheyhaveinfringed,or beimpossibletodo?Ifitisafast-moving tentissues?Consideringthestrengthof thisproduct? Willusing your invention Idanewone, which is unlikely? The seand

otherkeyquestionscanhelpyoudecidewhatinvent nottospendthemoneyon.Inaddition,sincedowns after-year,thesesamequestionscanhelpyouevalu decidewhichonesyoucanlivewithout. ionstopatent, and importantly, which ones treampatenting costs can compound year-atetheolder applications in the portfolio, and

## $\hbox{``HowStatementstotheFDAC} an Create Some Real Cha \qquad llenges in Patent Prosecution and Enforcement \hbox{''-TomIrving}$

InprosecutingapatentapplicationcoveringanFDA representationstoFDA.Particularlyinterestingc theapplicanttriestogetFDAtorequireminimalt INDapplicantmaytrytoconvinceFDAthatthelite oftheINDcandidate.Wewillexaminereallifeexp submissions,patentability,andRule56.

approvedproduct, clients will have made an bepre-IND and IND submissions. In those, esting for approval. Asyou can imagine, the rature provesup both the safety and efficacy eriences of interplay between such

### "USPTO's Green Technology Initiative" - Esther Kepp linger

EstherwillbeprovidingasummaryofthePatentPr uses.UnderthePPH,anapplicantreceivingarulin leastoneclaiminanapplicationfiledintheOFF SecondFiling(OSF)fasttracktheexaminationofc applicationsfiledintheOSF.PPHwillleveragefa availableintheOSFtoallowapplicantsintheOSF moreefficiently.AsofMay25,2010,theUSPTOhas specialunderthePPHprograms.Theeliminationof requirementsandisexpectedtoencouragegreaterP

osecutionHighway(PPH)anditspractical gfromtheOfficeofFirstFiling(OFF)thatat ispatentablemayrequestthattheOfficeof orrespondingclaimsincorresponding st-trackexaminationproceduresalready toobtaincorrespondingpatentsfasterand eliminatedthefeeforthepetitiontomake thepetitionfeewillsimplifythePPH PHparticipation.

Since2006,theUSPTOhasimplementedthePatentPr anumberofpatentofficesaspartofeffortstopu rs amongpatentoffices,andforreducingitsownpend haveproven,onaverage,totakesignificantlyless UsingthePPHprocessalsoincreasesthesharingan examinationresults)betweentheUSPTOanditspart frameworktomakeitmoreuser-friendly,andthereb applicants,wouldsupporttheOffice'sgoaltoopti Therefore,theUSPTOhasdeterminedthatallPPHap turnforexaminationunder37CFR1.102(a)inorder Applicationsthatareadvancedoutofturnunder37 setforthin37CFR1.17(h).

EstherwillalsobeprovidinginformationontheUS ourpractitioners.UndertheGreenTechnologyPilo applicationadvancedoutofturn(accordedspecial pertainingtogreentechnologiesincludinggreenhou environmentalquality,energyconservation,develop

Pr osecutionHighway(PPH)programswith rsueworksharingtoavoidduplicationofwork encyandbacklog.ThePPHapplications timetoprosecutethannon-PPHapplications. dre-useofinformation(primarilysearchand nerpatentoffices.ImprovingthePPH yencouragegreaterparticipationby mizeboththequalityandtimelinessofpatents. plicationswillnowbeadvancedoutof toexpeditethebusinessoftheOffice. CFR1.102(a)donotrequirethepetitionfee

PTO'sGreenTechnologyPilotProgramfor tProgram,anapplicantmayhavean status)forexamination,forapplications segasreduction(applicationspertainingto mentofrenewableenergyresourcesor greenhousegasemissionreduction). Currently, an quality, or energy conservation, development of ren reduction will not be advanced out of turn for exam the accelerated examination program. Under the Gre pertaining to environmental quality, energy conserver greenhousegasemission reduction, will be advanced meeting all of the current requirements of the acceleration support document). The USPTO will accelerate examination support document). The USPTO will accelerate special in new applications, provided that the petitor to contice published on December 8, 2009, in the Federa Register notice spublished on May 21, 2010, and Nov

applicationpertainingtoenvironmental ewableenergyresourcesorgreenhousegas inationunlessitmeetstherequirementsof enTechnologyPilotProgram,applications ation,developmentofrenewableenergy,or outofturnforexaminationwithout leratedexaminationprogram(e.g., ce ptonlythefirst3,000petitionstomake tionsmeettherequirementssetforthinthe lRegister,asmodifiedbytheFederal ember10,2010.

# "IPConsiderationsforMedicalDevicesfromStart-u discussionmoderatedbyMaryBethPriviterafeaturi andSamPrivitera

pstoFortune500Companies"-Panel ngDanKincaid,JosephE.Topmiller,

This panel discussion will provide perspectives of worked with a broad range of companies dealing with the development and marketing of medical devices. challenges, best practices, and other consideration develop, fund, license, and acquire the technology. issues, including deal killers, partnering with oth market potential in the context of their respective

attorneys, entrepreneurs, and those that have a broad range of issues centered around The panelists will provide insight as to the sthat come into play as they work together to They will also discuss patent and licensing er organizations, and the determination of experiences.

### "FDARegulationforMedicalDevices"-ElsaAbruzzo

The medical device market changes frequently inter reimbursement. The rate of change intensifies for growth companies. For this reason it is vital for professionals to be aware of existing requirements market. The course is intended to enable participan concepts within their own organizations.

msoftechnology, risk potential, marketing, and the fast-paced world of startups and emerging entrepreneurs, management, and regulatory and new developments in the medical device tsto ask the right questions and adapt the course

This course will provide a basic understanding of U Participants will learn the value of establishing a management, director, and investor buy-in early in present guidelines for developing successful strate g classifications, elements of regulatory strategy, s and product approval pathways in light of pending F a general understanding of US the regulations, incl considerations for determining approduct's regulator

U S regulatory strategy for medical devices. a sound regulatory strategy with executive the development process. The instructor will gies formedical devices, including definitions and ources of competitive and regulatory intelligence, DA regulatory reform. Participant will also gain uding guidelines, practical steps, and strategic ryroutetomarket. The course will examine:

- Howtodeterminedeviceclassificationaswellase thedevice,includinglabeling,establishmentregis
- Howtoidentifypredicatedevicesfor,planandass
- WhenandhowtoeffectivelyusepreIDEandotherea

lectingtheappropriateFDAapplicationfor tration, and listing;

emblea510(k)submission;

rlycollaborationmeetingswithFDA;

- Whatclinicaldatamaybeberequiredtosupportap
- HowtocreateaviableclinicalplanandobtainIDE
- Whatisinvolvedwithothertypeofsubmissions,in and PDPs;
- HowtointeractwithFDAduringthereviewprocess approvalissues; and
- Howtomosteffectivelyandefficientlyintegratey regulatorystrategy.

articulardeviceortypeofsubmission; approvalforUSclinicaltrials; cludingHDEs,varioustypesofPMAs,

anddealwithpost-marketclearanceor

our US regulatory strategy into your global

### "Biosimilars Legislation and the Biosimilar Approva | I Pathway" – Kevin Noonan, Esq., Ph.D.

Aspartofthecomprehensivehealthcarereformbil President, the U.S. now has a regulatory approval p called "biosimilars"). The law has several importa biotechnology community. These include:

lpassedlast year and signed into law by the athway for "follow-on biologic" drugs (also nt features that constitute challenges to the

- Indeterminaterequirements for "biosimilarity": th principal responsibility for determining how simila be, and the criteria required for such adrugto be innovator biologic drug (important because intercha to filla prescription with the biosimilar drug wit time). The Agency hashad one public meeting on th it may be sometime before final regulations are pr
  - elawleavestotheFDAthe
    a ra"biosimilar"drugneedsto
    "interchangeable"withthe
    na ngeabilitypermitsapharmacy
    houtphysicianapprovaleach
    ecriteriaitshouldadopt,but
    omulgated
- Patentinfringementlitigationunderthisschemeis ofprovisionsrequiringtheinnovatorandthebiosi information,bothregardingthebiosimilardrugap patentposition,intendedtonarrowtheissuesand additiontocreatingdelays(ofabout280days)bet applicationhasbeenfiledandwhenlitigationcan establishedbythestatutehasseveraltime-intensi days)whereapatenteeinnovatorisrequiredtores informationtothebiosimilarapplicant,wherefail damagetotheinnovator'sposition.Asaresult,t onlyforvigilance,butforproactiveportfolioman tobepreparedforrespondingtoabiosimilarappli

discouragedbyacomplexset milarapplicanttoexchange plicationandtheinnovator's patentsinvolvedinlitigation.In weennoticethatthebiosimilar commence,theregime veperiods(somelessthan30 pondwithspecific,detailed uretodosocancauseserious hereisanincreasedneednot agementforpatenteeinnovators cant'schallenge.

While many of the details of the new biosimilars re discuss the most likely contours of biosimilar appr

gime are still to be worked out, we will ovalsunderthenewlaw.